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ABSTRACT

The diversity and geographic availability of postsecondary institutions and programs in 1980-1981 were assessed in Georgia. The diversity of Georgia's colleges was based on analysis of institutional control, level, and type. To assess objectives, seven types of colleges were defined, and the state was divided into eight substate regions. For the examination of college programs, a distinction was made between regular credit programs and special and noncredit programs. The Classification of Instructional Programs, which was developed by the National Center for Education Statistics, was also employed, along with four sources of regular credit program information. In addition, institutions were surveyed to inventory special or noncredit programs. It was found that 340 postsecondary institutions were operating in Georgia during 1980-1981. The state seemed to have a diverse and comprehensive set of institutions and all substate regions were served by most sectors. However, some important high technology programs were not offered in the state. Appendices include listings of colleges by division and substate region; results of the program inventory (i.e., programs by type of college and degrees offered), information on supply and demand in Georgia substate regions; and an institutional questionnaire. (SW)

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GEORGIA POSTSECONDARY EDUCATION:

AN ASSESSMENT OF ACHIEVEMENT OF STATEWIDE GOALS AND OBJECTIVES

Assessment Report on Diversity and Geographic Availibility of Postsecondary Institutions (Objective 2a, 2c)

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Governor's Committee on Postsecondary Education

GEORGIA POSTSECONDARY EDUCATION:

AN ASSESSMENT OF ACHIEVEMENT OF STATEWIDE GOALS AND OBJECTIVES

ASSESSMENT REPORT ON

DIVERSITY AND GEOGRAPHIC AVAILABILITY OF POSTSECONDARY PROGRAMS AND INSTITUTIONS

(Objectives 2a and 2c)

December 1981

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TABLE OF CONTENTS

	Page
LIST OF TABLES	i
LIST OF FIGURES	ii
BACKGROUND	1
INTRODUCTION	2
DIVERSITY AND GEOGRAPHIC AVAILABILITY OF POSTSECONDARY INSTITUTIONS	4
Method	4
Findings	5
Diversity of Postsecondary Institutions by Control, Level, and Type	5
Geographic Availability of Postsecondary Institutions	8
Conclusions	12
DIVERSITY AND GEOGRAPHIC AVAILABILITY OF POSTSECONDARY PROGRAMS	13
Methods	13
Findings	16
Inventory of Regular Credit Postsecondary Programs	16
Statewide Findings	16
Institutional Findings	20
Program Level Findings	20
Sub-State Region Findings	20
Inventory of Special and Non-Credit Postsecondary Programs	20
SREB Academic Common Market	20
Adult/Continuing Education Non-Credit Programs	25
Cooperative Education (Work-Study Program)	25
Special/Remedial Studies	25
Conclusions	33
COMPARISON OF EDUCATIONAL SUPPLY AND DEMAND	35
CONCLUSIONS	36
RECOMMENDATIONS	37

APPENDICES

A. Georgia Postsecondary Institutions 1980-81 by Division

B. Georgia Postsecondary Institutions 1980-81 by Sub-State Region

C. Program Inventory Verification Survey Instructions and Form

D. Georgia Postsecondary Education Program Inventory 1980-81 by Division and Level

E. Supply and Demand in Georgia Sub-State Regions

LIST OF TABLES

Table		Page
1.	Number of Georgia Postsecondary Education Institutions by Division, Level, and Sub-State Region: Spring, 1981.	7
2.	Number of Georgia Postsecondary Institutions by Division and Type	9
3.	Percent of Institutions, Students, and Population in Georgia's Sub-State Regions with Percentage Increase in Population 1970-80 .	10
4.	Number of Georgia Postsecondary Institutions by Sub-State Region and Type	11
5.	Institutions Responding to Program Inventory Verification Survey 1980-81 by Division	15
6.	General CIP Program Areas Listed by Percentage of Specific Program Areas Reported	17
7.	Regular Credit Georgia Postsecondary Programs in Broad Program Areas	18
8.	Twenty-Five Most Prevelant Regular Credit Specific Postsecondary Program Areas in Georgia 1980-81	19
9.	Georgia Postsecondary Regular Credit Programs 1980-81	21
10.	Georgia Postsecondary Regular Credit Programs 1980-81 by Program Level	22
11.	Number of Georgia Postsecondary Education Programs by Sub-State Region, Level, and Institutional Division: Spring, 1981 . .	23
12.	Sub-State Region Profile: 1981	24
13.	Postsecondary Programs Available to Georgia Residents 1980-81 Through the Academic Common Market	26
14.	Registrations in Non-Credit Adult/Continuing Education Instructional Activities, 1979-80 by Division	29
15.	Registrations in Non-Credit Adult/Continuing Education Instructional Activities 1979-80 by Sub-State Region	30
16.	Cooperative Education Programs in Georgia Four-Year Postsecondary Institutions 1980-81	31
17.	Student Enrollments in Four-Year Postsecondary Cooperative Education Programs 1980-81	32
18.	Georgia Postsecondary Special/Remedial Studies Programs 1980-81 .	34

LIST OF FIGURES

Figure		Page
1.	Georgia's Postsecondary Education Sub-State Regions	6

BACKGROUND

The 1978-79 Governor's Committee on Postsecondary Education, after a year-long study, identified ten major issues affecting the Georgia postsecondary education community. The need for statewide postsecondary education goals was seen as a key issue. In its final report, Postsecondary Issues: Action Agenda for the Eighties, the Committee recommended that the development of such goals should be the first step in addressing other postsecondary issues and problems.

In August 1979, the Governor appointed a new Governor's Committee on Postsecondary Education and charged it with the task of developing "a set of statewide postsecondary education goals which respond to the needs of the people of our state." He stated that the goals must be tied to indicators which measure progress toward achievement of the goals, and that he wanted the Committee to initiate an assessment process which would determine where the state is in relation to such goals as well as "what steps need to be taken to close the gaps between where we are and where we need to be."

From August 1979 to June 1980, the Committee developed, with the input and assistance of numerous educators and other citizens, a set of statewide goals, objectives, and achievement indicators. These are reported in its June 1980 report, Georgia Postsecondary Education in the Eighties: Goals and Objectives. In his introductory letter to that report, Governor Busbee described the next phase of the Committee's work: "...determining where our state stands in relation to these goals and what steps should be taken to assist postsecondary education in providing Georgians with quality, cost-effective instructional, research, and service programs that respond to citizens' needs."

Recognizing the enormity of this assessment phase, and believing that the value of its findings would correspond directly to the quality of the assessment, the Committee decided to narrow its focus during the 1980-81 year to a coherent subgroup of goals and objectives, rather than to rush through an assessment of the entire set in a single year. Specifically, the Committee chose to concentrate on those goals and objectives that deal with the opportunities for postsecondary education in Georgia -- the appropriateness of the range of opportunities, their availability, and public knowledge of them. These include Goal 1 -- The Intellectual, Ethical, Personal, and Educational Development of Individuals to Enable Them to Live in an Effective, Responsible, Productive, and Personally Satisfying Manner -- and its two objectives, Goal 2 -- Comprehensive, Diversified, and Accessible Postsecondary Education Opportunities for the Citizens of Georgia -- and its three objectives, and Goal 4 -- Responsiveness by Postsecondary Education to Changing Needs of Individuals and Society -- and its three objectives. Also included are three additional objectives from Goals 3, 6 and 8: Objective 3b -- Programs that Enable and Encourage Participation in Postsecondary Education; Objective 6b -- Institutional and Agency Cooperation to Avoid Unnecessary Duplication of Facilities and Programs in Instruction, Research, and Service; and Objective 8a -- Adequate and Accurate Data and Information About All Postsecondary Educational Opportunities. The Committee proposed to examine the remaining goals and objectives, which generally deal with the quality and effectiveness of Georgia's postsecondary education opportunities in 1981-82.

INTRODUCTION

GOAL 2:
Comprehensive, diversified, and accessible postsecondary education opportunities for the citizens of Georgia.

Objective 2a: A diversity of postsecondary education institutions and programs, both public and private, to meet the educational needs of citizens.

Objective 2c: Geographic availability of institutions, programs, and services in areas of the state where need and demand clearly exist.

This report -- one of a series of assessment reports describing in depth the Committee's assessment procedures, findings, and recommendations -- focuses on the assessment of Objectives 2a and 2c. In discussing Goal 2 in last year's report, the Committee explained the importance of this goal:

> ...the strength of Georgia's system of postsecondary education lies in its diversity of programs and institutional settings. Furthermore, a balance between public and private institutions has been regarded as necessary... [s]o that students will have a wide range of postsecondary options from which to make choices according to their needs, capabilities, interests, and goals.... It is also important to assure that the range of institutions and programs is as comprehensive as possible so that different expectations of individuals may be served.... these opportunities should be as geographically accessible as feasible. The variety of programs offered and their locations are significant factors... .

Four indicators were identified for use in the assessment of Objectives 2a and 2c. These were:

1. Inventory of postsecondary education programs by level and institution, program enrollment, and demographic information on enrollees.

2. Classification of occupational titles as related to educational opportunities.

3. Inventory of educational and career interests of secondary students.

4. Comparison of available institutions, programs, and services with current and projected population density.

These indicators provided the original basis upon which the Committee planned its assessment of these objectives. However, as the assessment proceeded, changes in the indicators were found to be necessary or desirable. In some instances, the lack of available data required the indicators to be limited.

The assessment of Objectives 2a and 2c required an implicit but unstated indicator. As a result, the following revised indicator is the first to be examined in this report.

- Inventory of the diversity of postsecondary institutions and geographic locations of postsecondary institutions in relation to current population densities.

It was found not to be feasible to acquire program enrollment information on a comprehensive statewide basis. Of necessity, then, demographic information on program enrollees can not be reported.* Thus it was decided to combine and revise two of the original indicators. The following is the second indicator to be assessed in this report.

- Inventory of the diversity of postsecondary programs and services by institutional sector and a comparison of available programs and services by sub-state region.

Finally, two of the original indicators were judged to call, in spirit, for a comprehensive general analysis of occupational supply and demand as related to program availability and student interest. As a result the Committee collected information on occupational demand, program/career interests of prospective students, and numbers of graduates from the various postsecondary education programs. This information and the information on the availability of programs from the "Diversity of Programs" section were compiled and compared within the same classification system. However, the comparisons which resulted were inadequate to treat the important supply/demand questions that needed answers. The Committee found that the comparisons possible in the available time did not permit a determination of what portions of occupational demand reported could be served by postsecondary programs. Consequently, the Committee chose to pursue ways of refining the available data so that appropriate comprehensive postsecondary education supply/demand comparisons might be reported at a later date.

Concluding this report is a general summary of all findings and conclusions. At the end of the report are listed the recommendations adopted by the Committee on the basis of the information and conclusions contained in this and the other assessment reports issued this year.

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*Assessment Report on Objective 2b contains institutional enrollment data and Assessment Report on Objective 1a and Assessment Report on Objective 3b contain some demographic information on Georgia postsecondary education students.

DIVERSITY AND GEOGRAPHIC AVAILABILITY OF POSTSECONDARY INSTITUTIONS

The central concern of Goal 2 relates to the provision of postsecondary education opportunities to the citizens of Georgia that are comprehensive, diverse, and accessible. An inventory of the diversity and geographic availability of postsecondary institutions is a first step toward assessing Goal 2.

This report is based on an exhaustive inventory of all postsecondary institutions located in Georgia that were legally operating during Spring 1981: i.e., governed by state or local boards, authorized to operate and regulated by State law and by standards and policies administered by state agencies, reviewed by state agencies and exempted from regulation, or reviewed by state agencies and excluded from regulation. Not included in this inventory are institutions or companies offering postsecondary level instruction only on a home-study basis, and postsecondary programs offered by institutions without a central facility in the State (e.g. out-of-state institutions offering postsecondary programs on military bases.)

METHODS

Analysis of the diversity of Georgia's postsecondary institutions was based on three major classification elements: control, level, and type.

Institutions were classified according to four kinds of control. Public refers to those that were operated by governmental agencies and funded almost entirely from tax revenues. Private refers to those that were operated by independent boards, were not profit-seeking, and were funded primarily from non-governmental sources. Proprietary refers to those that were operated by independent boards or owners, were profit-seeking, and were funded primarily from non-governmental sources. Sectarian refers to those that were essentially religious, were operated by independent boards or directors, were either profit-seeking or non-profit-seeking, and were funded entirely from non-governmental sources.*

Institutions were further classified into six levels according to the most advanced formal award given to students. The first three levels apply to non-degree granting institutions offering certificates or diplomas for attendance ranging from a few weeks to over a year: Less Than or Equal to 6 Months; Less than or Equal to 1 Year; and More Than 1 Year. The next three levels apply to degree granting institutions: Junior Colleges includes those offering, as their most advanced award, associate's degrees; Senior Colleges includes those offering, at their highest level, baccalaureate, master's, or higher degrees that are not equivalent to a doctorate; Doctoral Granting includes those offering doctoral degrees or first professional degrees equivalent to a doctorate.**

The final element in the scheme involved classifying institutions into three types. General Academic includes institutions offering college-level studies leading to degrees primarily in the liberal arts and sciences. Career-Professional Single Purpose refers to those whose principle orientation is toward the preparation of students for immediate employment in specific occupational or professional fields which offer programs in a single occupational or professional

*Sectarian institutions, hereafter called "Bible Colleges," are inventoried in this section but are not analyzed in subsequent reports.

**A baccalaureate institution may offer Associate Degrees or an Associate Degree institution may offer certificates or diplomas, but they are classified by highest award level.

area. Career-Professional Multi-Purpose refers to those whose principle orientation is the same as the type just mentioned and which offer programs in more than one occupational or professional field.

Based on the three classification elements -- control, level, and type -- seven divisions were defined for use in the assessment of objectives. The division encompasses the control and level dimensions. The divisions are:

Public Vocational-Technical Schools

Public Colleges or Universities

Private Certificate or Diploma Institutions

Private Colleges or Universities

Proprietary Certificate or Diploma Institutions

Proprietary Degree-Granting Institutions

Bible Colleges

For purposes of analyzing the geographic availability of Georgia's postsecondary institutions the State was divided into sub-state regions. County and area planning and development (APDC) boundaries are widely used sub-divisions. However, the large number of sub-divisions (18 APDC's and 159 counties) made the use of these in the assessment impractical. Therefore, a set of sub-divisions developed by the Georgia Career Information System (GCIS) that defines eight sub-state regions by joining APDC areas adjacent to major metropolitan centers, was used, as shown in Figure 1.

FINDINGS

Diversity of Postsecondary Institutions by Control, Level, and Type

Table 1 shows that a total of 340 postsecondary institutions were operating in Georgia, Spring 1981. The most predominant form of control was found to be proprietary -- with 60.6% of all institutions. Public control was next with 18.8% followed by private with 15.0% and sectarian with 5.9%. In terms of levels, 69.4% of all institutions were at the certificate or diploma levels while 24.7% were degree granting.*

*These percentages do not total to 100 because the levels at the 20 Bible Colleges (5.9%) were unknown. Appendix A lists Georgia's postsecondary institutions by division.

Figure 1

GEORGIA'S POSTSECONDARY EDUCATION SUB-STATE REGIONS

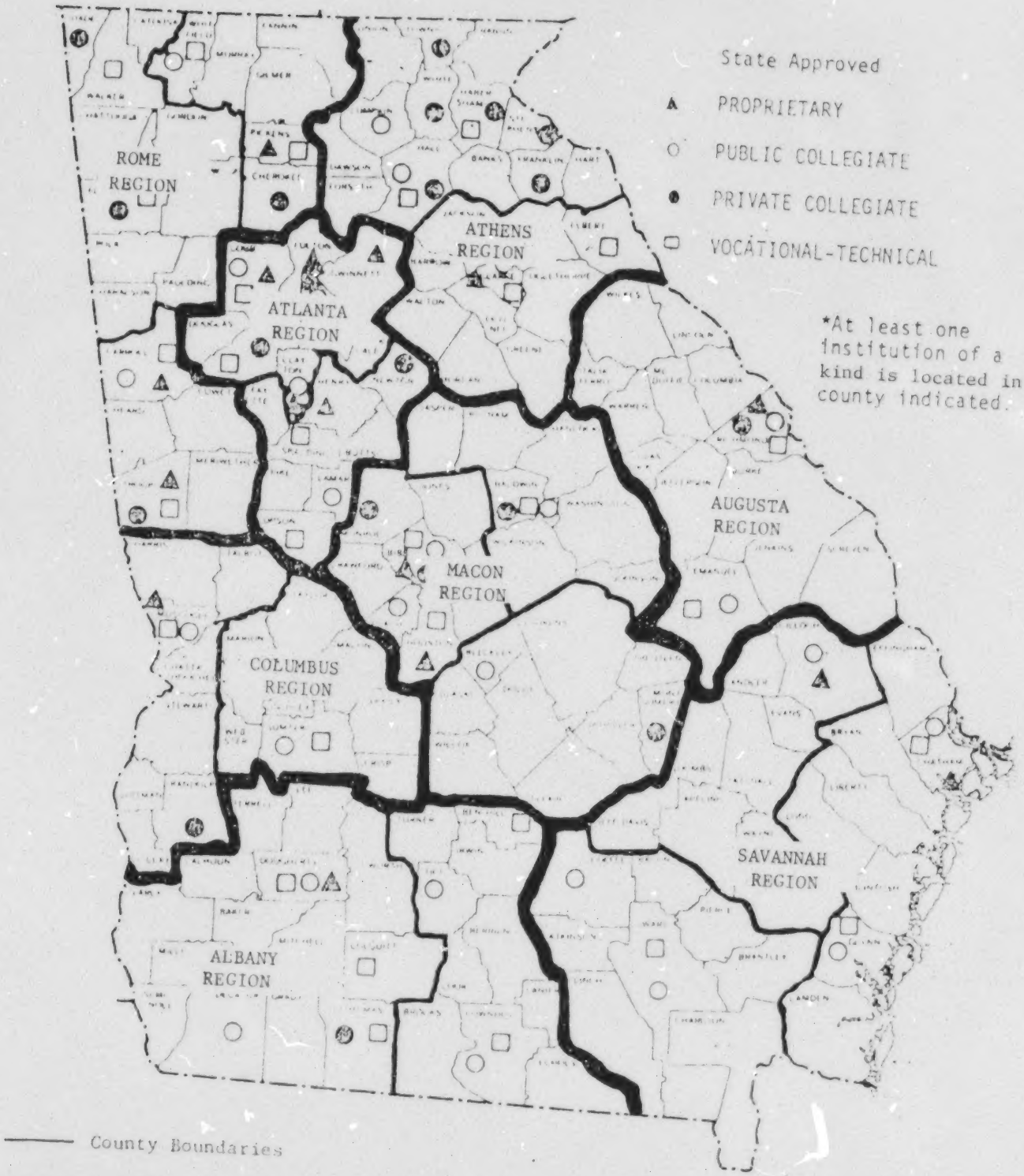

Table 1

Number of Georgia Postsecondary Education Institutions by Division, Level and Sub-State Region: Spring, 1981

Sub-State Region	Institutional Sector and Level																									
	Public Voc-Tech Schools				Public Colleges or Universities				Private Certificate or Diploma Institutions				Private Colleges or Universities				Proprietary Certificate or Diploma Institutions				Proprietary Degree-Grntg.				Bible Colleges [a]	Totals
	≤ 6m	≤ 1y	> 1y	Tot	Jr	Sr	Dr	Tot	≤ 6m	≤ 1y	> 1y	Tot	Jr	Sr	Dr	Tot	≤ 6m	≤ 1y	> 1y	Tot	Jr	Sr	Dr	Tot		
Athens Region	0	1	3	4	1	1	1	3	0	0	0	0	3	4	0	7	2	3	2	7	0	0	0	0	1	22
Rome Region	0	1	5	6	2	1	0	3	0	0	0	0	1	4	0	5	4	6	1	11	0	0	0	0	3	8
Atlanta Region	0	1	5	6	4	2	2	8	0	3	5	8	1	9	9	19	50	39	23	112	3	2	0	5	15	173
Columbus Region	0	0	2	2	0	2	0	2	0	0	1	1	1	0	0	1	3	3	2	8	2	0	0	2	0	16
Albany Region	0	0	5	5	3	2	0	5	0	0	0	0	1	0	0	1	1	2	4	7	0	0	0	0	0	18
Savannah Region	0	0	2	2	3	3	0	6	0	0	1	1	0	1	0	1	12	10	3	25	1	0	0	1	0	36
Augusta Region	0	0	2	2	1	1	1	3	0	0	0	0	0	1	0	1	4	3	3	10	1	0	0	1	0	17
Macon Region	0	1	2	3	2	2	0	4	0	0	0	0	2	2	1	5	7	6	3	16	1	0	0	1	1	30
TOTALS	0	4	26	30	16	14	4	34	0	3	7	10	9	21	10	40	83	72	41	196	8	2	0	10	20	340

[a]Level information for Bible Colleges was not available.

Key: ≤ 6m - Less Than or Equal to Six Months
≤ 1y - Less Than or Equal to One Year
> 1y - More Than One Year

Although the predominant form of control was found to be proprietary, and the predominant levels were certificate or diploma, it must be emphasized that the task in this section of the report is to inventory institutions. A treatment of relative enrollments showed a much different picture.* Public institutions, both collegiate and vocational-technical, dominated the enrollment picture with 81% of the Fall 1979 total headcount, while private institutions accounted for 13% and it was estimated that proprietary institutions accounted for 5%.** Similarly, degree granting institutions dominated the enrollment picture with 63% while certificate or diploma institutions accounted for 36% of total headcount enrollment.

Thus, clearly, institutions of the dominant form of control (proprietary) and of the dominant levels (certificate or diploma), are smaller institutions in terms of enrollments.

Table 2 shows that the dominant type of institution was career-professional single-purpose with 60.0%. Just over 89% of these were proprietary certificate or diploma institutions. Career-professional multi-purpose institutions accounted for 20.9% of the total while 19.1% were general academic.***

Geographic Availability of Postsecondary Institutions

Table 1 also reveals the distribution of postsecondary institutions in the eight sub-state regions in relation to both the control and level dimensions. Table 3 goes further toward exploring geographic availability by summarizing the proportions of institutions found in the various sub-state regions and comparing these to the regions' enrollment and population proportions. In addition, Table 3 shows the population growth over the period 1970-80.****

For the most part, the concentrations of institutions and of enrollments were found to follow population concentrations as shown in Table 3. For example, the most densely populated region -- and the region with the greatest growth -- was the Atlanta region which had 51.2% of the postsecondary institutions and 39% of all postsecondary students. At the other end of the spectrum, the Columbus region was the least densely populated area with the lowest growth and it contained 4.7% of the postsecondary institutions and 5% of all postsecondary students. Table 4 shows that all sub-state regions were served by postsecondary institutions of every type.

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*The enrollment picture is detailed in Assessment Report on Objective 2b.

**The enrollment proportion of Bible Colleges was not available.

***Type information on Bible Colleges was not available.

****Appendix B lists Georgia's postsecondary institutions by sub-state region.

Table 2

Number of Georgia Postsecondary Institutions by Division and Type[a]

	Type			Totals
	General Academic	Career-Professional Single-Purpose	Career Professional Multi-Purpose	
Public Vocational-Technical	0	2	28	30
Public Colleges or Universities	31	0	3	34
Private Certificate or Diploma	0	10	0	10
Private College or University	30	7	3	40
Proprietary Certificate or Diploma	0	172	24	196
Proprietary College	0	1	9	10
Totals	61	192	67	320

[a]Bible Colleges are not included in this table because type information was not available.

Table 3

Percent of Institutions, Students, and Population in Georgia's Sub-State Regions with Percentage Increase in Population 1970-80

Sub-State Region	Percent of Institutions Spring, 1981	Percent of Fall 1979 Headcount Enrollment	Percent of Population 1980[a]	Percent Population Change 1970-80[a]
Athens Region	6%	16%	9%	+21%
Rome Region	8	9	13	+21
Atlanta Region	51	39	36	+24
Columbus Region	5	5	6	+ 2
Albany Region	5	8	9	+11
Savannah Region	11	7	11	+14
Augusta Region	5	6	6	+13
Macon Region	9	9	9	+10

[a]Source: Management Review Division, Office of Planning and Budget, 1980 Census County Population Summary, December, 1980.

Table 4

Number of Georgia Postsecondary Institutions by Sub-State Region and Type[a]

Sub-State Region	Type			Totals
	General Academic	Career-Professional Single-Purpose	Career-Professional Multi-Purpose	
Athens Region	9	8	4	21
Rome Region	8	9	7	24
Atlanta Region	17	109	32	158
Columbus Region	3	10	3	16
Albany Region	3	6	6	18
Savannah Region	6	25	4	35
Augusta Region	3	10	6	19
Macon Region	9	15	5	29
TOTALS	61	192	67	320

[a]Bible Colleges are not included in this table because type information was not available.

CONCLUSIONS

Georgia was found to have a diversity of postsecondary institutions when analyzed on the three dimensions of control, level, and type. Small proprietary certificate or diploma career-professional institutions were the dominant kinds of institutions, but larger public and private degree granting general academic institutions were found to be well represented kinds of institutions. The geographic availability of postsecondary institutions was found to basically correspond to the changing population density in the State. All sub-state regions were served by most divisions and were served by institutions of every type. However, every level was not provided to every sub-state region.

Overall, it appears that (on the dimensions analyzed -- control, level, and type) Georgia had diverse, geographically accessible postsecondary education institutions available to the citizens of the State.

DIVERSITY AND GEOGRAPHIC AVAILABILITY OF POSTSECONDARY PROGRAMS

An inventory of the diversity and geographic availability of postsecondary programs was the next step in the assessment of Goal 2 relating to the provision of comprehensive, diverse, and accessible postsecondary education opportunities to the citizens of Georgia. Because the existence of a desired program of study has a very direct impact on whether a potential student's educational needs can be met in the State, the existence of a diversity of accessible programs is perhaps of greater importance than institutional diversity.

This section is based on a thorough inventory of postsecondary education programs existing in Georgia, Spring 1981.

METHODS

The inventory included programs at all institutions with the exception of the Bible Colleges for which no program information was sought.

In order to carry out this inventory, the Committee made a distinction between regular credit programs and special and non-credit programs. A regular credit program was defined as "a course of study leading to a formal award of some sort or -- in the case of some 2-, 3-, or 4-year courses of study -- specifically preparing students to apply for entrance to a higher level program."* Special and non-credit programs included special/remedial studies, non-credit adult/continuing education, the Southern Regional Education Board's (SREB) Academic Common Market, and cooperative education work-study programs.

In order to inventory the regular credit programs a two stage procedure was used. First, the Committee brought together the disparate available information and compiled it into a single classification system. The Committee chose to use the Classification of Instructional Programs (CIP) developed by the National Center for Education Statistics (NCES). This system combines the previously used higher education and vocational education classification systems. The CIP thus provided a means for including both collegiate and occupational program information in a single classification system which resulted in a common basis for comparing programs across all divisions.

Four sources of regular credit program information were used as the basis for the pre-verification work-up. (1) The HEGIS "Degrees and Other Awards Conferred" 1978-79 survey which identified programs from which institutions had graduates. This data source covered nearly all public colleges or universities, nearly all private colleges or universities, and some proprietary degree-granting institutions. (2) The State Department of Education's Vocational

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*Each award level was considered a distinct program; e.g., an institution offering both a bachelor's and a master's in elementary education was considered to have two programs in elementary education.

Education Data System (VEDS) provided program information on the State's public vocational-technical schools and on some occupational programs in public two-year colleges. (3) The Georgia Educational Improvement Council's (GEIC) Directory provided supplementary information on the public and private collegiate sectors, (4) The State Department of Education, and other state and federal agencies responsible for regulating postsecondary institutions provided information on private colleges and universities, private certificate or diploma institutions and the proprietary divisions.

The second stage in the inventory of regular credit programs in Georgia consisted of submitting the CIP classified and compiled data to all postsecondary institutions (excluding Bible Colleges) for verification and amendment. Appendix C. contains the verification survey materials.

In order to inventory the special or non-credit programs in the State the Committee used four sources. (1) The Program Inventory Verification Survey, mentioned above, provided information on the extent of special/remedial studies programs in institutions in all sectors, excluding Bible Colleges. (2) The HEGIS "Adult/Continuing Education: Non-credit Activities in Colleges and Universities" 1979-80 survey provided information on the relative enrollment participation rates in non-credit programs at nearly all institutions in the public and private collegiate sectors. (3) The SREB provided information on programs available to Georgia residents through the Academic Common Market in 1980-81. (4) Ms. Anne O. Kilpatrick, a graduate student at the Institute of Higher Education, University of Georgia, completed "A Study of Cooperative Education Programs in Georgia Four-Year Postsecondary Institutions" which provided information on cooperative education (work-study) programs in public and private four-year colleges.

The Program Inventory Verification Survey was sent to the 320 non-sectarian institutions in Georgia on February 6, 1981. On March 16, 1981, the last usable responses were received. Table 5 shows the numbers and proportions of institutions responding. The response rates for all but one division were exceptional -- from 70.0% to 92.5%. The response rate for the large proprietary certificate or diploma institutions group (37.2%) pulled down the overall response rate to 57.2%. However, it is not believed that the validity or reliability of the inventory is jeopardized by this, for the following reasons. The division with the low response rate is a division largely composed of single program institutions which account for a small percentage of the total number of programs in the State. By following the procedure of including the researched but unverified data where a response was not received it was found that 4,005 of the 4,645 programs in the inventory were verified. Thus, if response rate is calculated on the basis of number of programs rather than on number of institutions, the overall response rate was 86.3%.

Table 5

Institutions Responding to the Program Inventory Verification Survey 1980-81, by Division

	Sample Number	Responses	
		Number	Percent
Public Vocational-Technical Schools	30	27	90.0
Public Colleges or Universities	34	30	88.2
Private Certificate or Diplomas	10	7	70.0
Private Colleges or Universities	40	37	92.5
Proprietary Certificate or Diploma Institutions	196	73	37.2
Proprietary Degree-Granting Institutions	10	9	90.0
TOTALS	320	183	57.2

FINDINGS

Inventory of Regular Credit Postsecondary Programs

Statewide Findings

Overall, 4,705 programs were available in Georgia postsecondary institutions, 1980-81. These programs fell into 656 different specific program areas listed in the CIP -- 53.7% of the total list. Comparisons with other states were not available. However, the findings tend to indicate considerable but limited diversity and comprehensiveness.

The CIP list of program areas is exceedingly detailed and exhaustive. It was designed for use nationwide for all levels of education -- postsecondary and below. Table 6 presents Georgia's data in a way that more easily displays general program areas where Georgia has the most diverse and comprehensive offerings.

The hypothesis of considerable diversity and comprehensiveness is supported by the fact that Georgia lacked regular credit programs in only 5 of the 50 general program areas -- Military Technologies, Citizenship/Civic Activities, Health-Related Activities, Interpersonal Skills, and Personal Awareness (Table 6). Probably Georgia institutions offer courses in these areas for credit or as non-credit continuing education/community services classes. Thus the fact that Georgia's postsecondary education institutions do not offer programs leading to formal awards in these areas probably represents no important limitation on diversity and comprehensiveness. But the hypothesis of limited diversity and comprehensiveness is supported by the data in Table 6 also. Georgia's postsecondary education institutions reported between 75 and 100 percent of all the specific programs in only 13 (26%) of the general program areas shown in Table 6. More broadly, Georgia showed over 50 percent of the possible specific programs in only 56% of the general areas listed in Table 6.

Table 7 shows that the four highest concentrations of programs in Georgia were in the broad areas of business with 799, education with 781, health with 564, and trade and industrial with 405 programs. Table 8 shows that the top four most prevelant specific program areas were ecretarial with 90, Cosmetology with 88, General Business Administration and Management with 75, and Elementary Education with 70 programs.

Another finding relevant to the diversity and comprehensiveness issue related to the availability of programs in high-technology fields needed to serve Georgia's expanding economy. The finding here again supports the conclusion of considerable but limited diversity and comprehensiveness of offering.

High-technology fields can be roughly identified with the broad CIP areas of Engineering and Engineering Related Technologies, Mathematics, and Science and Science Related Technologies. The program inventory revealed that Georgia postscondary education institutions reported programs in 55.2% of the Engineering and Engineering Related Technologies areas; 100% of the Mathematics areas; and 28.9% of the Science and Science Related Technologies areas. Thus, it appears that Georgia offered a considerable number of high-technology related programs, 1980-81, but that the diversity and comprehensiveness of these offerings was limited.

Table 6

General CIP Program Areas Listed by Percentage of Specific Program Areas Reported

Percentage of Specific Program Areas Reported			
0-24%	25-49%	50-74%	75-100%
Military Technologies	Agribusiness & Agricultural Production	Business & Management	Architecture & Environmental Design
Citizenship/Civic Activities	Agricultural Sciences	Business & Office	Communications
Health-Related Activities	Renewable Natural Resources	Communications Technologies	Computer & Information Sciences
Interpersonal Skills	Ethnic/Area Studies	Engineering	Education
Personal Awareness	Marketing & Distribution	Allied Health	Health Sciences
Transportation & Materials Moving	Consumer, Personal, Miscellaneous Services	Home Economics	Law
	Engineering & Engineering Related Technologies	Vocational Home Economics	Letters
	Foreign Languages	Industrial Arts	Liberal General Studies
	Basic Skills	Library & Archival Sciences	Mathematics
	Leisure & Recreational Activities	Life Services	Multi/Interdisciplinary Studies
	Physical Sciences	Military Sciences	Philosophy & Religion
	Science Technologies	Parks & Recreation	Theology
	Psychology	Public Affairs	Social Sciences
	Protective Services	Mechanics & Repairers	
	Construction Trades	Visual & Performing Arts	
	Precision Production		
No. 6	16	15	13 General Program Areas
% 12	32	30	26

Table 7

Regular Credit Georgia Postsecondary Programs
in Broad Program Areas

CIP Broad Program Areas	Reported Programs	
	Number	Percent of all Reported Programs
Agriculture (01,02,03)	105	2.2
Architecture & Environmental Design (04)	22	.5
Area & Ethnic Studies (05)	9	.2
Business (06,07,08)	799	17.0
Communications (09,10)	59	1.3
Computer & Information Services (11)	54	1.2
Consumer, Personal and Miscellaneous Services (12)	109	2.3
Education (13)	781	16.6
Engineering (14,15)	238	5.1
Foreign Languages (16)	103	2.2
Health (17,18)	564	11.8
Home Economics (19,20)	162	3.4
Industrial Arts (21)	5	.1
Law (22)	41	.9
Letters (23)	97	2.1
Liberal/General Studies (24)	43	.9
Library & Archival Sciences (25)	10	.2
Life Sciences (26)	126	2.7
Mathematics (27)	71	1.5
Military Sciences (28,29)	5	.1
Multi/Interdisciplinary Studies (30)	25	.5
Parks & Recreation (31)	20	.4
Personal & Social Development (32,33,34,35,36,37)	7	.1
Philosophy, Religion & Theology (38,39)	75	1.6
Physical Sciences (40,41)	134	2.9
Psychology (42)	67	1.4
Public Affairs & Protective Services (43,44)	104	2.2
Social Sciences (45)	256	5.5
Trade & Industrial (46,47,48,49)	405	8.6
Visual & Performing Acts (50)	209	4.4
TOTALS	4,705	99.8

Table 8

Twenty-Five Most Prevelant Regular Credit Specific
Postsecondary Program Areas in Georgia, 1980-81

CIP Specific Program Number and Name		Number of Reported Programs
070606	Secretarial	90
120403	Cosmetology	88
060401	Business Administration and Management, General	75
131202	Elementary Education	70
061701	Real Estate, General	66
060201	Accounting	65
450801	History	63
230101	English, General	62
400501	Chemistry, General	60
260101	Biology, General	59
420101	Psychology, General	59
270101	Mathematics, General	58
451001	Political Science and Government	54
451101	Sociology	52
131314	Physical Education	50
131399	Teacher Education, Other Specific Subjects	46
181101	Nursing, General	46
131204	Pre-Elementary Education	45
131303	Business Education	45
500701	Fine Arts, General	43
500901	Music, General	43
240101	Liberal/General Studies	42
400801	Physics, General	39
060101	Business and Management, General	38
150303	Electronic Technology	37

High-technology fields can be more precisely identified by associating programs with such things as microprocessors, computers, lasers, silicon chips, metalurgy, fiber optics, robotics, hydroponics, instrumentation, biochemistry, bioengineering, genetics, energy, medicine, micro miniaturization, vacuum processes, hydraulics, pneumatus, motor controls, mechanics, and automated production. Although precise associations were not possible in some cases, an analysis revealed that 50.5% of the high-technology related programs were reported as offered in Georgia at some level, 41.8% were not reported as offered in Georgia, and 7.6% were offered at advanced levels through the Academic Common Market coordinated by the Southern Regional Education Board (SREB). Thus, Georgia institutions reported many high-technology related programs but the same reports showed that many high-technology related programs were not offered.

Institutional Findings

The majority of the programs were found to be offered through public colleges or universities -- 52.5% -- as shown in Table 9. The next highest concentration was found in the private collegiate sector -- 22.5% -- followed by the public vocational-technical sector with 15.3%.

These findings amplify an observation noted in the section of this report on diversity and availability of institutions. There it was observed that the sector and levels most prevelant were proprietary and certificate or diploma. However, in terms of enrollments these were not dominant -- public and private degree-granting and public vocational-technical institutions were. Here again, in terms of program concentrations, the public and private degree-granting and public vocational-technical sectors dominate.

Program Level Findings

In light of the findings just reported, it was not surprising to find that degree-granting program levels dominated with 73.5% of the total as shown in Table 10. Just under 30% of all programs were at the bachelor's level.

Sub-State Region Findings

Table 11 shows the proportion of programs found in the eight sub-state regions. The Atlanta area had the highest concentration of programs with 34.1%. The Athens and Rome areas followed next with 14.6% and 12.3% respectively. The next highest were the Savannah and Macon areas with 9.9%. In general, this distribution of programs follows the distributions of enrollments, institutions, and population reported in Table 12. (Appendix E contains sub-state region program inventory summaries.)

Inventory of Special and Non-Credit Postsecondary Program

SREB Academic Common Market

Since 1974, the Southern Regional Education Board (SREB) has administered an Academic Common Market in the South through which states and institutions share specialized academic programs. The purposes of the Academic Common Market are to give states the opportunity to avoid needless and costly duplication; to promote cost-effectiveness by helping institutions gain additional enrollment, and to

Table 9

Georgia Postsecondary Regular Credit Programs, 1980-81

	Reported Programs	
	Number	Percent
Public Vocational-Technical Schools	721	15.3
Public Colleges or Universities	2470	52.5
Private Certificate or Diploma Institutions	12	.3
Private Colleges or Universities	1106	22.5
Proprietary Certificate or Diploma Institutions	320	6.8
Proprietary Degree - Granting Institutions	76	1.6
TOTALS	4705	99.0

Table 10

Georgia Postsecondary Regular Credit Programs 1980-81 by Program Level

	Program Level	Reported Programs Number	Percent
Certificate or Diploma	Less than/Equal to 6 months	255	5.4
	Less than/Equal to 1 year	625	13.3
	More than One Year	319	6.8
Degree	Associate Transfer	877	18.7
	Associate Non-Transfer	244	5.2
	Less than Bachelor's Transfer	62	1.3
	Bachelor's	1406	29.9
	Master's	544	11.6
	6 year Specialist	121	2.6
	Doctoral or Equivalent First Professional	197	4.2
Post Doctoral	Post Doctoral	55	1.1
TOTALS		4,705	100.1

Table 11

Number of Georgia Postsecondary Education Programs by Sub-State Region, Level, and Institutional Division: Spring, 1981

Sub-State Region	LEVEL												SECTOR					
	Certificate or Diploma			Degree							Post Degree Certif.	TOTALS	Pub C/U	Pub VT	Prv C/U	Prv C/D	Prop. Degree	Prop. C/D
	6m	1y	1y	Assoc Trans.	Assoc NT	Bac T	Bacn	Mast	6 yr/ Spec.	Dr/1st Prf.								
Athens Region	6	72	3[illegible]	[illegible]7	28	9	215	129	39	81	0	688 (14.6%)	497	100	82	0	0	9
Rome Region	29	90	[illegible]8	110	37	4	210	49	14	0	0	581 (12.3%)	271	118	173	0	0	21
Atlanta Region	107	203	109	223	41	22	497	227	36	107	32	1,604 (34.1%)	565	184	629	9	18	199
Columbus Region	10	38	13	44	6	4	82	20	0	0	0	227 (4.8%)	140	34	26	2	14	11
Albany Region	16	65	49	131	53	10	77	29	5	0	0	435 (9.2%)	316	93	7	0	0	19
Savannah Region	18	57	38	139	17	6	121	48	23	0	0	467 (9.9%)	356	53	8	1	19	30
Augusta Region	12	42	24	32	24	3	49	19	0	8	23	236 (5.0%)	144	51	14	0	11	16
Macon Region	57	58	16	121	38	4	155	13	4	1	0	467 (9.9.%)	178	88	172	0	14	15
ALL REGIONS	255 (5.4%)	625 (13.3%)	319 (6.8%)	877 (18.6%)	244 (5.2%)	62 (1.3%)	1,406 (29.9%)	544 (11.6%)	121 (2.6%)	197 (4.2%)	55 (1.2%)	4,705 (100%)	2,467 (52.4%)	721 (15.3%)	1,109 (23.6%)	12 (.3%)	76 (1.6%)	320 (6.8%)

Table 12

Sub-State Region Profiles: 1981

	Percent			
	Programs	Institutions	Students	Population
Athens Region	15%	7%	16%	9%
Rome Region	12	8	9	13
Atlanta Region	34	51	39	36
Columbus Region	5	5	5	6
Albany Region	9	5	8	9
Savannah Region	10	11	7	11
Augusta Region	5	5	6	6
Macon Region	10	9	9	9

provide residents of the participating Southern states a broader range of educational opportunities by enabling them to pursue studies of their choice in other states at in-state tuition rates.*

Table 13 shows that 96 programs in 76 program areas were available to Georgia residents through the Academic Common Market, 1980-81. One available program was at the bachelor's level, 45 were at the master's level, and the remaining 50 were at the doctoral level. These programs were available through 26 out-of-state postsecondary institutions.**

Adult/Continuing Education Non-Credit Programs

Through the Higher Education General Information Survey (HEGIS) 1979-80 survey "Adult/Continuing Education: Non-Credit Activities in Colleges and Universities,"information was obtained about the extent of these offerings in Georgia's degree-granting sectors.*** Table 14 reveals that this type of educational opportunity is almost entirely found in public colleges or universities; which accounted for 95.7% of all non-credit registrations reported to HEGIS 1979-80. Table 15 reveals that all sub-state regions were served by non-credit instructional programs. When the non-credit registrations proportions of Table 15 are compared to the total headcount enrollment proportions of Table 3, it is apparent that much different emphases are placed on credit and non-credit offerings in the various sub-state regions.

Cooperative Education (Work-Study) Programs

Ms. Anne O. Kilpatrick, graduate student at the Institute of Higher Education, University of Georgia, conducted a study providing information about the extent of cooperative education programs in Georgia four-year postsecondary institutions. In her study, "cooperative education" was defined as "academic program s in which work experience is combined with classroom learning." Sometimes academic credit is given for the work experience portions of cooperative education programs which may be either alternating (full-time work, then full-time study) or parallel (simultaneous).

Table 16 shows that just over two-thirds of the public four-year institutions and one-third of the private institutions had cooperative education programs. Table 17 shows the enrollment ranges of the various cooperative education programs.

Special/Remedial Studies

Through the Program Inventory Verification Survey the Committee obtained information concerning the number of postsecondary institutions offering special/remedial studies 1980-81. Table 18 shows 47.5% of all responding institutions offered special/remedial studies. Twenty-eight of the 30 responding public colleges or universities -- 93.3% -- reported special/remedial studies. In

*Winfred L. Godwin, President. "Foreward," The Academic Common Market, SREB, Atlanta, Georgia 1980.

**Four University System of Georgia institutions provided 26 graduate programs in 20 program areas to qualified residents in 10 southern states.

***The Assessment Report on Objective 1a presents these findings in more depth.

Table 13

Postsecondary Programs Available to Georgia Residents
1980-81 Through the Academic Common Market

Program Area	Degree	Institution
African History	Doctor of Philosophy	West Virginia University
Agricultural Engineering	Doctor of Philosophy	University of Kentucky
Agricultural Mechanization	Master of Agriculture	Clemson University
American Studies	Master of Arts	University of Alabama
Anthropology	Doctor of Philosophy	University of Tennessee
Astronomy	Master of Science Doctor of Philosophy	University of Florida
Aviation, Professional	Bachelor of Science	Louisiana Tech University
Biomedical Engineering	Doctor of Philosophy	University of Virginia
Clinical Biochemistry	Doctor of Philosophy	Medical University of South Carolina
Clinical Chemistry	Master of Science Doctor of Philosophy	Louisiana State University Medical Center
Clinical Nutrition	Master of Science	University of Alabama in Birmingham
Coal Processing Research	Master of Science Doctor of Philosophy	Auburn University
Coastal and Oceanographic Engineering	Master of Engineering Master of Science Doctor of Philosophy	University of Florida
Coastal Geography	Doctor of Philosophy	Louisiana State University
Communications	Doctor of Philosophy	University of Tennessee
Community Development	Master of Science	University of Louisville
Criminology	Master of Arts Doctor of Philosophy	Florida State University
Dance	Master of Fine Arts	Florida State University
Education of Visually Impaired Children	Doctor of Education	University of Virginia
Expressive Therapies	Master of Arts	University of Louisville
Fisheries and Allied Aquacultures	Master of Science Doctor of Philosophy	Auburn University
Folk Studies	Master of Arts	Western Kentucky University
German Language and Literature	Doctor of Philosophy	University of Tennessee
History (Historic Preservation)	Master of Arts	Middle Tennessee State University
Home Economics	Doctor of Philosophy	Florida State University
Home Economics	Doctor of Philosophy	University of Tennessee
Hospitality Management	Master of Science	Florida International University

Table 13 (continued)

Program Area	Degree	Institution
Immunology	Master of Science Doctor of Philosophy	University of Alabama in Birmingham
International Business Studies	Master of International Business Studies	University of South Carolina
International Studies	Doctor of Philosophy	University of South Carolina
Librarianship	Master of Librarianship	University of South Carolina
Library Science	Doctor of Philosophy	Florida State University
Library Science	Master of Arts Master of Science in Library Science	University of Kentucky
Library Science	Master of Library Science	Louisiana State University
Library Science	Master of Science in Library Science	University of Tennessee
Library Services	Master of Library Services	Unversity of Alabama
Marine Law and Science	Master of Marine Law and Science	University of Mississippi
Marine Science	Doctor of Philosophy	College of William and Mary
Marriage and the Family	Doctor of Philosophy	Florida State University
Meteorology	Master of Science Doctor of Philosophy	Florida State University
Music	Doctor of Musical Arts	West Virginia University
Music	Doctor of Philosophy	West Virginia University
Music Education	Doctor of Education Doctor of Philosophy	Florida State University
Music Education, Theory and Performance	Doctor of Musical Arts	University of Kentucky
Music Performance	Master of Music[a] Doctor of Music	Florida State University
Musicology	Doctor of Philosophy	University of Kentucky
Neurosciences	Master of Science Doctor of Philosophy	University of Alabama in Birmingham
Nursing	Doctor of Science in Nursing	University of Alabama in Birmingham
Nursing	Doctor of Philosophy	Texas Woman's University
Nursing	Doctor of Philosophy	University of Texas at Austin
Occupational Therapy	Master of Arts Master of Occupational Therapy	Texas Woman's University
Occupational Therapy	Master of Science	Virginia Commonwealth University
Ocean Engineering	Master of Science Master of Engineering	Florida Atlantic University
Oceanography	Doctor of Philosophy	Old Dominion University

[a]For selected instruments only.

Table 13 (continued)

Program Area	Degree	Institution
Oral Biology	Master of Science	University of Alabama in Birmingham
Petroleum Engineering	Master of Science	Mississippi State University
Petroleum Engineering	Master of Science	West Virginia University
Physical Therapy	Master of Science	Virginia Commonwealth University
Physiological Optics	Master of Science	University of Alabama in Birmingham
Planning	Master of Science	University of Tennessee
Radiation Dosimetry, Medical	Master of Science	University of Kentucky
Radio Astronomy	Doctor of Philosophy	University of Maryland College Park
Regional Development	Master of Public Service	Western Kentucky University
Religious Studies	Doctor of Philosophy	University of Virginia
Slavic Languages and Literatures	Doctor of Philosophy	University of Virginia
Social Work	Doctor of Social Work	University of Alabama
Special Education Administration	Doctor of Philosophy	University of Texas at Austin
Speech and Hearing Sciences	Doctor of Philosophy	University of Tennessee
Speech Pathology and Audiology	Doctor of Philosophy	Louisiana State University
Speech/Theatre	Doctor of Philosophy	Louisiana State University
Technology Education	Doctor of Education	West Virginia University
Theatre Arts	Master of Fine Arts Doctor of Philosophy	Florida State University
Toxicology	Doctor of Philosophy	University of Kentucky
Transportation	Master of Arts Master of Science and Commerce Doctor of Philosophy	University of Alabama
Tropical Medicine and Medical Parasitology	Master of Science Doctor of Philosophy	Louisiana State University Medical Center
Urban and Regional Planning	Doctor of Philosophy	Florida State University

Source: The Academic Common Market, S.R.E.B., Atlanta, Georgia 1980: pp. 17-18.

Table 14

Registrations in Non-Credit Adult/Continuing Education Instructional activities, 1979-80 by Division[a]

	Number		Percent	
Public Vocational-Technical Schools	None Permitted by Law			
Public Colleges or Universities	328,128		95.7	
Junior Colleges		108,466		33.1
Senior Colleges		129,960		39.6
Doctoral Granting		89,702		27.3
Private Certificate or Diploma Institutions		Unknown		
Private Colleges or Universities	14,817		4.3	
Junior Colleges		78		.5
Senior Colleges		5,784		39.0
Doctoral Granting		8,955		60.4
Proprietary Certificate of Diploma Institutions		Unknown		
Proprietary Degree-Granting Institutions		None Reported		
TOTALS		342,945		100

Source: HEGIS "Adult/Continuing Education: Non-Credit Acitivities in Colleges and Universities," 1979-80 survey.

[a]Does not include instruction offered through the agricultural extension service.

Table 15

Registrations in Non-Credit Adult/Continuing Education
Instructional Activities 1979-80 by Sub-State Region

Sub-State Region	Number	Percent
Athens Region	59,370	17.3
Rome Region	19,731	5.8
Atlanta Region	90,379	26.4
Columbus Region	28,544	8.3
Albany Region	55,892	16.3
Savannah Region	54,834	16.0
Augusta Region	23,374	6.8
Macon Region	10,821	3.2
TOTALS	342,945	100.1

Source: HEGIS "Adult/Continuing Education: Non-Credit Activities in Colleges and Universities," 1979-80 Survey.

Table 16

Cooperative Education Programs in Georgia
Four-Year Postsecondary Institutions 1980-81

Kind of Four-Year Institution	Number of Institutions	Cooperative Education	
		Number with Programs	Percent With Programs
Public	16	11	68.8
Private	21	7	33.3
TOTALS	37	18	48.6

Source: Anne O. Kilpatric. "A Study of Cooperative Education Programs in Georgia Four-Year Postsecondary Institutions," Institute of Higher Education, University of Georgia, April 10, 1981.

Table 17

Student Enrollments in Four-Year Postsecondary Cooperative Education Programs 1980-81

Kind of Four-Year Institution	Cooperative Education Enrollment Category				Totals
	0 - 9 Students	10 - 20 Students	21 - 65 Students	66- 2300 Students	
Public	3	2	3	5	13[a]
Private	2	3	2	0	7
TOTALS	5	5	5	5	20[a]

Source: Anne O. Kilpatrick. "A Study of Cooperative Education Programs in Georgia Four-Year Postsecondary Institutions," Institute of Higher Education, University of Georgia, April 10, 1981.

[a]These totals do not match those of Table 15 because one public institution had 3 distinct cooperative education programs.

addition, Table 18 reveals, as might be expected, that within control categories the degree-granting sectors had higher reported proportions of special/remedial studies offerings than the certificate or diploma sectors. Among collegiate sectors the public institutions showed the highest proportion offering, the proprietary the next highest, and the private the lowest. Among certificate or diploma sectors the same pattern was observed except that the different in the proportion for proprietary and private institutions was much less.

CONCLUSIONS

Clearly, a considerable diversity of geographically available program opportunities existed in Georgia 1980-81. However, additional diversity and comprehensiveness may be desirable to meet student needs and the needs of business and industry more adequately. Was the diversity of existing opportunities adequate to meet the educational needs of the citizens of the State? Was the diversity adequate within all sub-state regions? Large numbers of programs were concentrated in specific program areas and in broad program areas. These concentrations raise the related question of whether such duplication is appropriate. Does the spread of programs among program areas and across sectors and sub-state regions fit the needs of the State and its citizens? At this stage, the inventory merely identifies the questions, and provides the basic data. Further analysis will be required before definitive answers can be prepared. The Committee will further report on program distribution during 1981-82.

Table 18

Georgia Postsecondary Special/Remedial Studies Programs
1980-81

	Special/Remedial Studies		Number Responding	Percent of Number Responding
	Number	Percent		
Public Vocational-Technical Schools	23	26.4	27	85.2
Public Colleges or Universities	28	32.2	30	93.3
Private Certificate or Diploma Institutions	1	1.1	7	14.3
Private Colleges or Universities	18	20.8	37	48.6
Proprietary Certificate of Diploma Institutions	11	12.6	73	15.1
Proprietary Degree-Granting Institutions	6	6.9	9	66.7
TOTALS	87	100.0	183	47.5

COMPARISON OF EDUCATIONAL AND OCCUPATIONAL SUPPLY AND DEMAND

The Committee had hoped to be able to include in this report a comprehensive assessment of the relationships between program comprehensiveness, diversity, productivity, and accessibility (educational supply dimensions) and educational demand dimensions -- student interests and occupational demand. After interrelating occupational demand data available from Labor Information Systems (a division of the Georgia Department of Labor, Employment Security Agency) with CIP classified student demand and program graduate data at a level permitted by the available time, it was determined that informative comparisons did not result.

The method permitted by the available time centered on the 50 general program areas of the CIP. The resulting supply/demand comparisons could not reveal how much of the demand in an occupational area required postsecondary trained individuals. Since interrelating the data at a less general level, where level of required training could be factored in, was not feasible, supply/demand comparisons cannot be reported at this time.

However, Appendix F contains the program availability, student interest, and program graduate comparisons upon which further assessment of this topic can be based.

CONCLUSIONS

The purpose of this report was to assess the diversity, comprehensiveness, and accessibility of postsecondary opportunities in Georgia through 1) an inventory of the diversity and geographic accessibility of institutions, 2) an inventory of the diversity and geographic accessibility of postsecondary programs, and 3) an analysis of the relationship between educational demand and supply.

With respect to the first indicator, 340 postsecondary institutions were found to be operating in Georgia during 1980-81. Overall, it appeared that Georgia had a diverse and comprehensive set of institutions composed of 30 public vocational-technical schools, 34 public colleges or universities, 10 private certificate or diploma institutions, 40 private colleges or universities, 196 proprietary certificate or diploma institutions, 10 proprietary degree-granting institutions, and 20 Bible colleges. These institutions ranged from less than/equal to six month certificate or diploma schools to doctoral granting multiversities, some being general academic, some career-professional single-purpose, and some being career-professional multi-purpose.

Geographic accessibility (availability) of Georgia's postsecondary institutions was assessed by sub-dividing the state into 8 regions. All sub-state regions were served by most sectors; however, the Athens, Rome, and Albany Areas did not have a private certificate/diploma institution or a proprietary degree-granting institution, the Columbus and Savannah Areas had no Bible Colleges, the Augusta Area had no private certificate/diploma or Bible Colleges, and the Macon Area had no private certificate/diploma institutions. All sub-state regions were served by institutions of every type -- general academic, career-professional single-purpose, and career-professional multi-purpose. However, every level was not provided in every sub-state region; the Rome, Columbus, Albany, and Savannah Areas had no doctoral level institution.

With respect to the second indicator, 4,705 programs were found to be offered in 1980-81. It appears that Georgia as a whole had a diverse and comprehensive set of program offerings in that programs were found in all but 5 of the 50 general program areas included in a nationwide classification system. However, Georgia was found to have programs in only 656 (53.7%) of all the specific program areas included in the nationwide system. Thus, the diversity and comprehensiveness of Georgia's postsecondary offerings is limited. In particular, some important programs in high technology areas are not offered in Georgia.

With respect to the geographic accessibility of postsecondary programs the concentration of numbers of programs basically corresponded to the geographic distribution of institutions, enrollments, and population in the 8 sub-state regions.

Was the diversity and comprehensiveness of the array of institutions and programs adequate or appropriate to the needs of Georgia and its citizens? Educational supply refers to program supply (program opportunities) available and occupational supply (people educated). Educational demand refers to student demand (student interests), occupational demand (trained people needed), and civic/civil demand (Georgia's need for general liberal education). Further research and analysis is needed before it can be determined whether postsecondary institutions are overserving or underserving or are serving appropriately the educational demand in Georgia.

RECOMMENDATIONS

Based on the information and conclusions contained in this and the other Committee assessment reports issued this year, the Committee has adopted the following recommendations. The findings from all assessment reports that lead to these recommendations are summarized in the Committee's year-end report Georgia Postsecondary Education: Where We Are and Where We Need To Be.

THE COMMITTEE RECOMMENDS THAT

°State-level agencies refine or develop methods of publicizing postsecondary education opportunities with regularly updated information. Specifically, Georgians need:

(1) A Directory which describes, for all postsecondary education sectors, the institutions and their programs that are state-approved or accredited by nationally recognized (by the Council on Postsecondary Accreditation or the United States Department of Education) accrediting bodies for distribution to counselors and advisors of postsecondary and secondary students, to other appropriate institutional officials, and to public libraries.

(2) A Tabloid which lists all postsecondary programs and institutions and sources of information about them, for distribution to all high school seniors and the general public.

(3) A Directory which describes information sources on occupational characteristics, supply and demand, and educational preparation, for distribution to counselors and advisors of postsecondary and secondary students, to other appropriate institutional officials, and public libraries.

(These recommendations are now being largely implemented by the Georgia Educational Improvement Council, the Governor's Committee on Postsecondary Education, and the Georgia Occupational Information Coordinating Committee respectively.)

°Proprietary institutions accredited by nationally recognized (by the Council on Postsecondary Accreditation or the United States Department of Education) accrediting bodies should be given opportunities to participate in all college fairs, and other public events/workshops where prospective students are provided with information about Georgia's postsecondary education opportunities.

°State-level agencies increase their ability to determine if the diversity and distribution of postsecondary education programs around the state fit the needs of Georgia's citizens. Such a capacity requires:

(1) That an all-sector inventory of institutions and programs be maintained at least annually using a uniform classification system;

(2) That the existing data on numbers of program graduates be maintained and supplemented with data from private certificate or diploma institutions and all proprietary institutions;

(3) That the Georgia Department of Labor refine its collection and analysis of data on demand for employees in various occupations in order to permit annual estimates of future demand for persons with all types of postsecondary education training.

◦Enrollment and financial data on all postsecondary education institutions be regularly obtained and analyzed for use in monitoring the health of the public, private, and proprietary sectors, as well as for use in decision-making by institutions and agencies.

◦The General Assembly adopt the policy that the Tuition Equalization Grant Program be maintained at its current level relative to per-student state support of public colleges.

◦Postsecondary education institutions improve their efforts to assess and react to the changing relationships between their education and training programs and the career needs of their students.

◦All multi-purpose postsecondary education institutions regularly use some formal means of assessing the educational needs of their constituencies.

◦All postsecondary education institutions provide systematic means for student input into program planning and development.

◦All postsecondary education institutions provide systematic means for input by representative employers/citizens into program planning and development.

◦Legislation, governance, and administration be structured on the state and local levels in such a way so as to allow institutions to respond quickly and effectively to changing educational needs.

◦To promote program quality and the avoidance of unnecessary duplication, Georgia's postsecondary education institutions maintain at least the currently existing level of cooperation within sectors.

◦The institutions seek to increase cooperative arrangements and endeavors with other sectors located in their region of the State.

◦In order to promote communication among all sectors, the Board of Regents and the State Board of Education expand the function and membership of the local Coordinating Committees to include, in a non-voting capacity, a representative of accredited private institutions and a representative of proprietary institutions accredited by nationally recognized (by the Council on Postsecondary Accreditation or the United States Department of Education) accrediting bodies.

◦All Georgia postsecondary education institutions take steps to ensure the availability of systematic and effective academic counseling to all students enrolled in programs leading to a degree or other formal award. It is specifically recommended that the Board of Regents of the University System of Georgia maintain its commitment to such improvement. To all institutions, the Regent's 1980 report on Academic Advisement is recommended as a source of ideas on potential methods for improvement.

◦Public and private colleges and universities take steps to improve the effectiveness of their career planning and placement services.

◦Private colleges or universities having a public service mission strive to offer more programs in local areas where need and demand exist, and strive to improve the effectiveness of their community service programs.

•All postsecondary education institutions encourage adults over 24 to participate in programs matching their needs and interests.

•All institutions offering postsecondary education programs in those parts of the state where continuing education/non-credit participation rates are low serve better the learning needs of adults over 24 through both regular credit and non-credit programs.

•Those individuals and organizations who set criteria for receipt of financial aid, and administer financial aid distribution, design and aggressively implement criteria for financial aid programs so that the financial need of all types of students is more equally met.

•Student financial aid programs be adjusted to eliminate overmeeting of student need, and the resultant savings be made available to unmet needs of various student populations.

•Students attending proprietary institutions accredited by nationally recognized (by the Council on Postsecondary Accreditation or the United States Department of Education) accrediting bodies be eligible for State Student Incentive Grants as are students attending accredited institutions in other sectors of Georgia postsecondary education.

•The General Assembly establish in statute a postsecondary education commission, which would have advisory rather than governing authority, to collect and analyze information on postsecondary education in order to monitor the effectiveness and efficiency of Georgia postsecondary education; to report annually to the Governor, the General Assembly, and the people on the status of postsecondary education and recommend to State Government or postsecondary education steps necessary to maintain or improve the achievement of the established statewide goals by postsecondary education; and to issue such other reports as necessary to advise the Governor, the General Assembly, or postsecondary education on recommended actions in specific problem areas identified by the commission. The membership would be representative of public higher education, private higher education, vocational-technical education, proprietary education, and the general public.

A P P E N D I X A

GEORGIA POSTSECONDARY INSTITUTIONS 1980-81 BY DIVISION

Georgia Postsecondary Institutions in Operation
Spring 1981 -- Listed by Division and Level

Public Colleges and Universities

Junior Colleges

Abraham Baldwin Agricultural College
Albany Junior College
Atlanta Junior College
Bainbridge Junior College
Brunswick Junior College
Clayton Junior College
Dalton Junior College
DeKalb Community College
Emanuel County Junior College
Floyd Junior College
Gainesville Junior College
Gordon Junior College
Macon Junior College
Middle Georgia College
South Georgia College
Waycross Junior College

Senior Colleges

Albany State College
Armstrong State College
Augusta College
Columbus College
Fort Valley State College
Georgia College
Georgia Southern College
Georgia Southwestern College
Kennesaw College
North Georgia College
Savannah State College
Southern Technical Institute
Valdosta State College
West Georgia College

Doctoral

Georgia Institute of Technology
Georgia State University
Medical College of Georgia
University of Georgia

Public Vocational-Technical Schools

Less Than One Year

Baldwin County Vocational School of Practical Nursing
Elbert County School of Practical Nursing
Gwinnett County Career Center
Dalton Vocational School of Health Occupations

More Than One Year

Albany Area Vocational-Technical School
Athens Area Vocational-Technical School
Atlanta Area Vocational-Technical School
Augusta Area Vocational-Technical School
Ben Hill-Irwin Area Vocational-Technical School
Carroll County Area Vocational-Technical School
Columbus Area Vocational-Technical School
Coosa Valley Area Vocational-Technical School
DeKalb Area Vocational-Technical School
Griffin-Spalding County Area Vocational-Technical School
Houston Vocational Center
Lanier Area Vocational-Technical School
Macon Area Vocational-Technical School
Marietta-Cobb Area Vocational-Technical School
Moultrie Area Vocational-Technical School
North Georgia Technical-Vocational School
Pickens County Area Vocational-Technical School
Savannah Area Vocational-Technical School
South Georgia Technical-Vocational School
Swainsboro Area Vocational-Technical School
Thomas Area Vocational-Technical School
Troup County Area Vocational-Technical School
Upson County Area Vocational-Technical School
Valdosta Area Vocational-Technical School
Walker County Area Vocational-Technical School
Waycross-Ware County Area Vocational-Technical School

Private Colleges and Universities

Junior Colleges

Andrew College
Brewton Parker College
Emmanuel College
Georgia Military College
Oxford College of Emory University
Reinhardt College
Thomas County Community College
Truett-McConnell College
Young Harris College

Senior Colleges

Agnes Scott College
Atlanta Christian College
Atlanta College of Art
Berry College
Brenau College
Clark College
Covenant College

Private Colleges and Universities (continued)

Senior Colleges (continued)

Emmanuel College School of Christian Ministries

LaGrange College

Mercer University (Atlanta)

Morehouse College

Morris Brown College

Oglethorpe University

Paine College

Piedmont College

Savannah College of Art and Design

Shorter College

Spelman College

Tift College

Toccoa Falls College

Wesleyan College

Doctoral

Atlanta University

Atlanta Law School

Columbia Theological Seminary

Emory University

Interdenominational Theological Center

John Marshall Law School

Life Chiropractic College

Mercer University

Mercer University Southern School of Pharmacy

Woodrow Wilson College of Law

Private Certificate or Diploma Institutions

Less Than One Year

DeKalb General Hospital School

Gupton-Jones College of Mortuary Science

Montessori Institute of Atlanta

More Than One Year

Crawford W. Long Hospital School

Georgia Baptist Hospital School

Grady Memorial Hospital School

Kennestone Hospital

Medical Center St. Francis School of Radiology

Memorial Medical Center School of Radiological Technology

Piedmont Hospital School

Proprietary Institutions

Junior Colleges

Art Institute of Atlanta

Bauder Fashion College

Crandall College

Draughon's Junior College of Business

Massey Business College

Meadows College of Business (Columbus)

Phillips College (Augusta)

Phillips College (Columbus)

Senior Colleges

DeVry Institute of Technology

Institute of Graduate Health Services

Proprietary Certificate or Diploma Institutions

Less Than or Equal to 6 Months

The Academy of Real Estate

Accelerated Courses in Real Estate

Accelerated Learning Systems, Inc.

Adrian Hall School of Interior Design

Advanced Career Training

Allied Business Institution

Allied Dog Grooming Academy

American Design Floral School

American School of Paperhanging Arts

Atlanta Academy of Dog Grooming

Atlanta Board of Realtors Institute

Atlanta Institute of Real Estate

Augusta Real Estate Educators

Bea Farmer School of Real Estate

Bennett Academy of Real Estate

Bob Greer's School of Real Estate

Bob Wood Real Estate School

Boyd/Boyd Real Estate

Careers Unlimited

Carragher School of Real Estate

Carroll Broome Real Estate School

Carroll Jackson Institute of Real Estate

Caswell Real Estate School

(The) Center for Real Estate Education

Ce[illegible]ademy of Real Estate (Atlanta)

Centur[illegible] Academy of Real Estate

Century 21 Westside Association School of Real Estate

Clover Real Estate Career Institute

CMLS Training Institute

Coldwell Banker-Barton and Ludwig School of Real Estate

Control Data Learning Center

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Less Than or Equal to 6 Months (continued)

Cross Roads Academy of Real Estate

Crowell Institute of Real Estate

Eastern Broadcast Services, Inc.

ERA School of Real Estate of Savannah

Flight Safety International

Fred Williams Institute of Real Estate

French-Whitten School of Real Estate

Georgia Academy of Real Estate

Georgia Institute of Real Estate

Georgia School of Bartending

Gene Thomason's School of Real Estate

Greenhow School of Real Estate

H & R Block, Inc.

Homeward Bound School of Real Estate

International Bartending Institute

Investment Training Institute, Inc.

Jackie Roach Real Estate School

Kree Institute of Electrolysis, Inc.

Lorenda's School of Beauty and Modeling

Lyn-Chris-Ann School of Charm and Modeling

Liberty Institute of Real Estate

Lynes Institute of Real Estate

Macon Institute of Real Estate

McNair School of Real Estate

Middle Georgia Real Estate School

Middle Georgia Institute of Real Estate

Mr. Tax School

(The) Music Business Institute

National Center for Paralegal Training

North Georgia Real Estate Institute

Professional Apartment Managers

(The) Real Estate Academy, Inc.

(The) Real Estate Education Center of Athens

(The) Real Estate Institute, Inc.

Real Estate Training Institute

Realty Education Key

Red Coat School

Ridge Truck Driving School

Ruth Green School of Real Estate

Savannah Board of Realtors Post-Licensure School

School of Professional Real Estate Training

Sheridan, Solomon and Kernagham
Sales Training Division

Southeastern School of Real Estate, Inc.

Star School of Real Estate

Statesboro School of Real Estate

Stuart Roberts Real Estate Institute

Suburban Institute of Real Estate

T. M. Lowe Institute of Real Estate

Tara Modeling Academy

Trammell School of Real Estate

West Georgia Institute of Real Estate

Less Than or Equal to 1 Year

Academy of Beauty

Adorne Beauty College

Albany School of Beauty Culture

Apex Barber College

Apex School of Beauty

Armstrong University of Beauty (Cartersville)

Armstrong University of Beauty (Cedartown)

Armstrong University of Beauty (Rome)

Arnold International University of Cosmetology (Jonesboro)

Arnold International University of Cosmetology (Atlanta)

Artistic Beauty College

Atlanta College of Business

Augusta Aviation, Inc.

Barbizon School of Modeling of Atlanta, Inc.

Battlefield Styling Academy

Beauty College of America

Beauty College of Georgia, Inc.

Brown Barber College

Brunswick Beauty College

Bryman School

Capitol Barber College

Control Data Institute

Cosmeknowledge

Crown Beauty College

Dale Strebel University of Cosmetology

Dalton Beauty College

DeKalb Beauty College

Design Beauty College

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Less Than or Equal to 1 Year (continued)

Dimples Beauty College

Dublin School of Hair Design

Express Hair Design

Gaines Presley Professional School of Cosmetology

Georgia Barber College

Georgia Beauty College

Georgia Medical Employment Preparation Center

Griffin Beauty School

Ila Garmon Beauty College

International Hairstyling Academy

King's University of Cosmetology

Louise's Beauty College

Mable Bailey School of Modeling

Mackey's College of Beauty Culture

Macon Beauty College

Macon University of Cosmetology

Marietta University of Cosmetology

Metropolitan Hair Design

Minosa School of Beauty/Hair Design

Mr. Paul's School of Cosmetology

Model's Touch

Modella Beauty College

Modern Trend Beauty College

Moler System of Barber Colleges

Myers School of Beauty Culture

Nairobi School of Cosmetology

Padrick, W. C. Beauty College

Page's University of Cosmetology

Paris Beauty School

Paye's Institute of Cosmetology

Red Baroness Squadron, Inc.

Roswell Beauty College

Rutledge College

Savannah Barber College

Savannah Paralegal Center

Savannah University of Cosmetology

Southeastern Beauty School

Southern Barber College

Statesboro Beauty School

Talk of the Town School of Cosmetology

Today's Woman University of Cosmetology

Valdosta University of Cosmetology

W. D. and H. Welding School, Inc.

Whitfield University of Cosmetology

Willis Hairstyling Academy

More Than 1 Year

Academy of Professional Drafting

Advanced Aviation, Inc.

Air Activities, Inc.

American College for the Applied Arts

Atlanta College of Medical and Dental Assistants

Atlanta School of Fashion and Design, Inc.

Atlanta Technical School

Atlanta Vocational Training Center

Augusta Beauty College

Ayers Corporation

Bear Creek Aviation

Blue Ridge Aviation Flight School

Branell Women's College

Brown Aviation, Inc.

Brown College of Court Reporting

Butler Aviation, Savannah, Inc.

Clark Flying Service

Elkins Institute of Atlanta, Inc.

Epps Air Service, Inc.

Executive Helicopters, Inc.

Fort Benning Flying Club

Fort Gordon Flying Club

Fulton Air Service, Inc.

Gray Air Service

Gulfstream American Air Center

Gwinnett College of Business

Hanger One's School of Aviation

LaCharme Beauty Culture School

Lane School of Art

Lowe Aviation Co., Inc.

McCall Business College

Meadows College of Business (Albany)

Meadows College of Business (LaGrange)

Patricia Stevens Business and Fashion College

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More Than 1 Year (continued)

Peachtree-DeKalb Flight Academy

Portfolio Center

Robins Aero Club

Roman Aviation

Statesboro Aviation, Inc.

Stone Mountain Aviation, Inc.

Van Dusen Airport Services, Inc.

Bible Colleges

Atlanta International Bible Institute

Atlanta School of Biblical Studies

Baptist University of America

Beulah Heights Bible College

Calvary Baptist Bible College

Carver Bible Institute and College

Christian College of Georgia

Covington Theological Seminary

Evangelistic Full Gospel Church and Bible College

Gwinnett-Hall Baptist College

Immanuel Baptist Schools, Inc.

Immanuel Bible College

Jonesboro Baptist Bible College

Messianic School of Theology

Oconee Bible College

Our Shepherd's Institute, Inc

Shilo Bible College

Southeastern Biblical Institute

Tennessee Christian University

Trinity Baptist Seminary

A P P E N D I X B

GEORGIA POSTSECONDARY INSTITUTIONS 1980-81

BY SUB-STATE REGION

Georgia Postsecondary Institutions in Operation
Spring 1981 -- Listed by Sub-State Region

Athens Area

Academy of Beauty
American School of Paperhanging Arts
Athens Area Vocational-Technical
Blue Ridge Aviation Flight School
Brenau College
Christian College of Georgia
Clarke Flying Service
Elbert Co. School of Practical Nursing
Emmanuel College
Emmanuel College School of Christian Ministries
Gainesville Junior College
Lanier Area Vocational-Technical School
Louise's Beauty College
Mackey's College of Beauty Culture
North Georgia College
North Georgia Technical-Vocational School
Piedmont College
Real Estate Education Center of Athens
Toccoa Falls College
Truett-McConnell College
University of Georgia
Young Harris College

Rome Area

Armstrong University of Beauty (Cedartown)
Armstrong University of Beauty (Rome)
Armstrong University of Beauty (Cartersville)
Battlefield Styling Academy
Berry College
Carroll Co. Area Vocational-Technical School
Coosa Valley Area Vocational-Technical School
Covenant College
Covington Theological Seminary
Crown Beauty College
Dalton Beauty College
Dalton Junior College
Dalton Vocational School of Health Occupations
Evangelistic Full Gospel Church and Bible College
Floyd Junior College
LaGrange College
Meadows College of Business (LaGrange)
North Georgia Real Estate Institute
Pickens Co. Area Vocational-Technical School
Real Estate Training Institute
Reinhardt College
Shorter College
Tennessee Christian University
Troup Co. Area Vocational-Technical School
Walker Co. Area Vocational-Technical School
West Georgia Institute of Real Estate
Whitfield University of Cosmetology
West Georgia College

Atlanta Area

Academy of Professional Drafting
Academy of Real Estate
Accelerated Courses in Real Estate
Accelerated Learning Systems, Inc.
Adorne Beauty College
Advanced Aviation, Inc.
Advanced Career Training
Agnes Scott College
Air Activities, Inc.
Allied Business Institute
Allied Dog Grooming Academy
American College for the Applied Arts
American Design Floral School
Apex Barber College
Apex School of Beauty

Arnold International University of Cosmetology (Atlanta)
Arnold International University of Cosmetology (Jonesboro)
Art Institute of Atlanta
Artistic Beauty College
Atlanta Academy of Dog Grooming

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(Atlanta Area, cont.)

Atlanta Area Vocational-Technical School
Atlanta Board of Realtors Institute
Atlanta Christian College
Atlanta College of Art
Atlanta College of Business
Atlanta College of Medical and Dental Assistants
Atlanta Institute of Real Estate
Atlanta Junior College
Atlanta International Bible Institute
Atlanta Law School
Atlanta School of Biblical Studies
Atlanta School of Fashion and Design, Inc.
Atlanta Technical School
Atlanta University
Atlanta Vocational Training Center
Baptist University of America
Barbizon School of Modeling of Atlanta, Inc.
Bauder Fashion College
Bear Creek Aviation
Beauty College of America
Beauty College of Georgia, Inc.
Beulah Heights Bible College
Bob Wood Real Estate School
Boyd/Boyd Real Estate
Branell Women's College
Brown Barber College
Brown College of Court Reporting
Bryman School
Calvary Baptist Bible College
Capitol Barber College
Careers Unlimited
Carragher School of Real Estate
Carroll Jackson Institute of Real Estate
Carver Bible Institute and Center
Caswell Real Estate School
Center for Real Estate Education
Century 21 Academy of Real Estate (Atlanta)
Century 21 Academy of Real Estate
Clark College
Clayton Junior College
Clover Real Estate Career Institute
CMLS Training Institute
Coldwell Banker-Barton and Ludwig School of Real Estate
Columbia Theological Seminary
Control Data Institute
Control Data Learning Center
Crawford W. Long Hospital School
Cross Roads Academy of Real Estate
Dale Strebel University of Cosmetology
DeKalb Area Vocational-Technical School
DeKalb Beauty College
DeKalb Community College
DeKalb General Hospital School
DeVry Institute of Technology
Design Beauty College
Dimples Beauty College
Eastern Broadcast Services, Inc.
Elkins Institute in Atlanta, Inc.
Emory University
Epps Air Service, Inc.
Executive Helicopters, Inc.
Express Hair Design
Fulton Air Service, Inc.
Gaines Presley Professional School of Cosmetology
Georgia Academy of Real Estate
Georgia Baptist Hospital School
Georgia Barber College
Georgia Beauty College
Georgia Institute of Real Estate
Georgia Institute of Technology
Georgia Medical Employment Preparation Center
Georgia School of Bartending
Georgia State University
Gordon Junior College
Grady Memorial Hospital School
Griffin Beauty School
Griffin-Spalding Co. Area Vocational-Technical School
Gwinnett College of Business

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(Atlanta Area, cont.)

Gwinnett Co. Career Center
Gwinnett-Hall Baptist College
Gupton-Jones College of Mortuary Science
H & R Block, Inc.
Hanger One's School of Aviation
Homeward Bound School of Real Estate
Ila Garmon Beauty College
Immanuel Baptist Schools, Inc.
Immanuel Bible College
Institute of Graduate Health Services
Interdenominational Theological Center
International Bartending Institute
Investment Training Institute, Inc.
John Marshall Law School
Jonesboro Baptist Bible College
Kennesaw College
Kennestone Hospital School
Kree Institute of Electrolysis, Inc.
Lane School of Art
Larinda's School of Beauty and Modeling
Len-Chris-Ann School of Charm and Modeling
Life Chiropractic College
Marietta University of Cosmetology
Marietta-Cobb Area Vocational-Technical School
Massey Business College
Mercer University in Atlanta
Mercer University-Southern School of Pharmacy
Messianic School of Theology
Metropolitan School of Hair Design
Minosa School of Beauty/Hair Design
Model's Touch
Modella Beauty College
Modern Trend Beauty College
Montessori Institute of Atlanta
Moler System of Barber Colleges
Morehouse College
Morris Brown College
Mr. Tax School
Music Business Institute
National Center for Paralegal Training
Ogelthorpe University
Our Shepherd's Institute, Inc.
Oxford College of Emory University
Padrick, C.C. Beauty College
Page's Institute of Cosmetology
Patricia Stevens Business and Fashion College
Peachtree-DeKalb Flight Academy
Piedmont Hospital School
Portfolio Center
Professional Apartment Managers
Real Estate Academy, Inc.
Real Estate Institute, Inc.
Realty Education Key
Red Baronness Squadron, Inc.
Red Coat School
Ridge Truck Driving School
Roman Aviation
Roswell Beauty College
Rutledge College
School of Professional Real Estate Training
Shilo Bible College
Southeastern Biblical Institute
Southern Technical Institute
Spelman College

Star School of Real Estate
Stone Mountain Aviation, Inc.
Stuart Roberts Real Estate Institute
Suburban Institute of Real Estate
Talk of the Town School of Cosmetology
Tara Modeling Academy
Today's Woman University of Cosmetology
Trammell School of Real Estate
Trinity Baptist Seminary
Upson Co. Area Vocational-Technical School
Woodrow Wilson College of Law

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Columbus Area

Andrew College

Columbus Area Vocational-Technical School

Columbus College

Fort Benning Flying Club

French-Whitten School of Real Estate

Georgia Southwestern College

Greenhaw School of Real Estate

King's University of Cosmetology

Mable Bailey School of Modeling

Meadows College of Business Columbus

Medical Center St. Francis School of Radiology

Phillips College (Columbus)

South Georgia Technical-Vocational School

Southeastern Beauty School

T.M. Lowe Institute of Real Estate

Van Dusen Airport Services, Inc.

Albany Area

Abraham Baldwin Agricultural College

Albany Area Vocational-Technical School

Albany Jr. College

Albany School of Beauty Culture

Albany State College

Ayres Corporation

Bainbridge Jr. College

Ben Hill-Irwin Area Vocational-Technical School

Gray Air Services

LaCharm Beauty Culture School

Meadows College of Business (Albany)

Moultrie Area Vocational-Technical School

Southeastern School of Real Estate

Thomas Area Vocational-Technical School

Thomas County Community College

Valdosta Area Vocational-Technical School

Valdosta State College

Valdosta University of Cosmetology

Savannah Area

Adrian Hall-School of Interior Design

Armstrong State College

Ber Farmer School of Real Estate

Bennett Academy of Real Estate

Brunswick Beauty College

Brunswick Junior College

Butler-Aviation-Savannah, Inc.

Draughon's Junior College of Business

ERA School of Real Estate of Savannah

Flight Safety International

Fred Williams Institute of Real Estate

Georgia Southern College

Gulfstream American Air Center

International Hairstyling Academy

Jackie Roach Real Estate School

Liberty Institute of Real Estate

Lynes Institute of Real Estate

Memorial Medical Center School of Radiological Technology

Mr. Paul's School of Cosmetology

Myers School of Beauty Culture

Paris Beauty School

Ruth Green School of Real Estate

Savannah Area Vocational-Technical School

Savannah Barber College

Savannah Board of Realtors Post-Licensure School

Savannah College of Art and Design

Savannah Paralegal Center

Savannah State College

Savannah University of Cosmetology

South Georgia College

Statesboro Aviation, Inc.

Statesboro Beauty School

Statesboro School of Real Estate

Waycross Junior College

Waycross-Ware County Area Vocational-Technical School

Willis Hairstyling Academy

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Augusta Area

Augusta Area Vocational-Technical School

Augusta Aviation, Inc.

Augusta Beauty College

Augusta College

Augusta Real Estate Educators

Carroll Broome Real Estate School

Century 21 Westside Association School of Real Estate

Crowell Institute of Real Estate

Emanuel Co. Junior College

Fort Gordon Flying Club

McCall Business College

Medical College of Georgia

Page's University of Cosmetology

Paine College

Phillips College (Augusta)

Southern Barber College

Swainsboro Area Vocational-Technical School

Macon Area

Baldwin Co. Vocational School of Practical Nursing

Bob Greer's School of Real Estate

Brown Aviation Co., Inc.

Brewton-Parker College

Cosmeknowledge

Crandall College

Dublin School of Hair Design

Fort Valley State College

Georgia College

Georgia Military College

Gene Thomason's School of Real Estate

Houston Vocational Center

Lowe Aviation Company, Inc.

Macon Area Vocational-Technical School

Macon Beauty College

Macon Institute of Real Estate

Macon Junior College

Macon University of Cosmetology

McNair School of Real Estate

Mercer University (Main)

Middle Georgia College

Middle Georgia Institute of Real Estate

Middle Georgia Real Estate School

Nairobi School of Cosmetology

Oconee Bible College

Robins Aero Club

Sheridon, Solomon, and Kernaghan Sales Training Division

Tift College

W. D. & H. Welding School, Inc.

Wesleyan College

A P P E N D I X C

PROGRAM INVENTORY VERIFICATION SURVEY

INSTRUCTIONS AND FORM

Governor's Committee on Postsecondary Education

66 Luckie Street, N.W., Suite 808, Atlanta, Georgia 30303

(404) 656-2526

February 6, 1981

Dear Chief Executive Officer:

As you know, last year the Committee developed, with the cooperation of all sectors of postsecondary education, a set of statewide postsecondary goals and objectives. Governor Busbee has now asked the Committee to assess the achievement of those goals by the postsecondary community.

Several of the goals require complete information on the availability of postsecondary education instructional programs in Georgia. Since this information has not existed in the past, the Committee has compiled it from several sources and listed it in the format of a newly developed classification system, the Classification of Instructional Programs (CIP). Before we analyze this information or publish it for statewide consumption, we wanted you to have an opportunity to verify its accuracy. In this way, the Committee can be assured it is providing information, drawing conclusions, and making recommendations based upon the best available data. Since University System institutions have recently begun a HEGIS based program inventory, it is hoped that our request at this time will complement that activity in particular.

The Committee chose to use the CIP, developed by the National Center for Education Statistics (NCES), because it provides us a means of combining program data for both collegiate and occupational programs in all sectors. In addition, NCES has indicated it will be asking institutons in the near future to begin using CIP in reports for the Higher Education General Information Survey (HEGIS) and Vocational Education Data System (VEDS). For this reason, we believe your familiarization with and use of this new format will be valuable as far as future federal reporting requirements are concerned.

The background, rationale, and detailed instructions for this request are attached along with the verification form to be completed. Please have the appropriate administrator complete and return the verification form by February 13, 1981. Do not hesitate to contact the Committee's staff if you have any questions.

Governor George Busbee, Chairman Richard C. Owens, Vice Chairman Dr. David M. Morgan, Staff Director

Your help in the past has been greatly appreciated. We look forward to your assistance once again. As always, we welcome your comments and suggestions about this and other activities of the Committee.

Sincerely,

Richard C. Owens

Richard C. Owens
Vice Chairman

RCO:jlm

Enclosures

cc: Chancellor Vernon Crawford
Dr. Joseph Freund
Dr. Dupree Jordan
Dr. Clyde Pearce

GOVERNOR'S COMMITTEE ON POSTSECONDARY EDUCATION

Inventory of Instructional Programs in Georgia Postsecondary Education Institutions

REQUEST FOR PROGRAM DATA VERIFICATION
February 6, 1981

Background and Rationale for Request

Since Governor Busbee established the Governor's Committee on Postsecondary Education in 1978, it has undertaken, with the cooperation of all sectors of postsecondary education, three major activities. An in-depth study of postsecondary issues and problems was completed in June, 1979. The development of statewide goals and objectives for postsecondary education culminated in June, 1980. The Committe is now carrying out an assessment of where Georgia postsecondary education currently stands in relation to the achievement of the goals and objectives. Following the assessment phase, the Committee will recommend steps that need to be taken to maximize achievement of the goals.

Achievements relative to eight goals are being assessed by the Committee. Goal 2 -- Comprehensive, Diversified, and Accessible Postsecondary Education Opportunities for the Citizens of Georgia -- and Goal 3 -- Equitable Opportunity for Individuals to Participate in Postsecondary Education -- are a central focus of current assessment activities. One central indicator of how well Georgia is achieving these two goals is the existence of an appropriate diversity of postsecondary education programs available to day and evening or weekend students. The Committee determined that the best way to approach assessing program diversity was through the development of a comprehensive statewide program inventory for all Georgia postsecondary institutions -- public, private and proprietary.

In order to develop this inventory with as little imposition on institutional personnel as possible, the Committee analyzed five existing sources of program information: Higher Education General Information Survey (HEGIS) data; Georgia State Department of Education Vocational Education Data System program data; the Georgia Educational Improvement Council (GEIC) Directory; and information from state and federal agencies responsible for licensing and regulating postsecondary institutions. The data from these sources was compiled and classified according to the recently approved Classification of Instructional Program (CIP), prepared by the National Center for Education Statistics (NCES). The CIP, to be distributed by NCES Spring, 1981, replaces and combines the previously used HEGIS classification system and the "Handbook VI" vocational education classification system. Thus, the CIP provides a comprehensive, uniform program taxonomy for all of postsecondary education and was adopted by the Committee to facilitate accurate comparisons within the State of Georgia.

Due to the variety of sources from which data were taken, inaccuracies may exist in the compiled data. In order to refine and improve the accuracy of this crucial assessment tool, the compiled program information for your institution is being submitted to you for verification and amendment.

Definitions

Program

For purposes of this inventory a "program" is "a course of study leading to a formal award of some sort or -- in the case of some 2-, 3-, or 4-year courses of study --specifically preparing students to apply for entrance into a higher level program." Each award level is considered a distinct program; thus, an institution offering both a bachelor's and a master's in elementary education, for example, is considered to have two programs.

Program Level

For purposes of this inventory "program level" refers to "the name of the formal award granted or the standard 'full-time' length of study required to achieve the formal award." Ten program levels are defined below.

1. six months or less -- vocational certificate or diploma
2. one year or less -- vocational certificate or diploma
3. more than one year -- vocational certificate or diploma
4. associate transfer -- associate degrees specifically designed to prepare students for advanced standing
5. associate non-transfer -- associate degrees specifically designed to prepare students for direct employment (though some my transfer)
6. less than bachelor's transfer -- programs specifically designed to prepare students for advanced standing without a formal award (e.g., pre-engineering and other pre-professional)
7. bachelor's
8. master's
9. sixth year or specialist -- programs considered beyond a master's, or more than a master's, but less than a doctoral degree
10. doctoral or equivalent first professional -- includes M.D., Ph.D., Ed.D., J.D. D.D.S., etc.

Program Number and Name

For purposes of this inventory, in order to promote uniformity and comparability, all programs are named and numbered according to the CIP taxonomy. For your reference, a copy of the taxonomy is attached.

Instructions

Enclosed you will find a copy of the compiled program information describing your institution, as best as we have been able to determine. Programs are listed by CIP number and name, and by level. Please carefully review our compilation and edit it, that is:

1. Verify whether the institution provides residential facilities to students.

2. Indicate whether your institution has a special studies or remedial studies program.

3. Correct institutional accreditation designations by deleting or adding accreditations.

4. Strike out programs listed which do not exist at your institution.

5. Correct level designations, and indicate by marking in the box(es), whether the program can be fully completed entirely by day attendance and/or entirely by night or weekend attendance. (No information on program level was available for some certificate or diploma programs. In these cases the existence of the program is indicated at the lowest level. In addition, all associate degree programs have been listed as transfer because we have no information as to which are non-transfer. Please check this information carefully and change where needed.)

6. Correct program accreditation designations by deleting or adding accreditations.

7. Add programs not listed. If you need to add programs we have not listed, obtain from the attached CIP list the most appropriate program name and number; then list the program name, number, level designation, and availability to day and weekend or evening students in the space provided.

If you have any questions or problems with this request, please contact Dr. Joseph Marks or Dr. Fred Kiehle, of the Committee staff at (404)656-2526.

Thank you for your invaluable assistance to the Committee in its efforts to assess the achievements of Georgia postsecondary education. Please return the "Inventory Verification Form" by February 13, 1981; to

Governor's Committee on Postsecondary Education
66 Luckie Street , Suite 808
Atlanta, Georgia 30303

Return by_____

Governor's Committee on Postsecondary Education
66 Luckie Street, Suite 808
Atlanta, Georgia 30303
(404)656-2526

Inventory of Instructional Programs in Georgia Postsecondary Education Institutions

Name:_____

I.D. Number_____
County Code_____
Type Code_____

INSTITUTIONAL VERIFICATION FORM
(Verify and Amend as Per Instructions)

Residential Facilities: ___ ___
Yes No

Special Remedial Studies: ___ ___
Yes No

Institutional Accreditation_____
(Name of Accrediting Agency, if any)

Program CIP Number and Name	Progam Level																								Program Accreditation (Name of Accrediting Agency) (if any)
	Certificate or Diploma									Degree															
	Six months or less				One year or less				More than one year				Associate Transfer				Associate Non-transfer				Less than Bachelor's transfer				Bachelor's				Master's				Sixth year specialist				Doctoral or Equivalent 1st Prfnl.			
	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	Exists	Day	Nite	Wkend	

67

63

APPENDIX D

GEORGIA POSTSECONDARY EDUCATION PROGRAM INVENTORY 1980-81

Georgia Regular Credit Postsecondary Instructional Programs 1980-81 *

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Assoc Tran	Assoc Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Total
01.0000 - Agribusiness and Agricultural Products	1		1							1	1						2
01.0101 - Agriculture Business & Mgt.	2									1	1						2
01.0103 - Agriculture Economics	4												2	1		1	4
01.0201 - Agriculture Mechanics,General	1												1				1
01.0204 - Agriculture Power Machinery		1						1									1
01.0302 - Animal Production	1										1						1
01.0304 - Crop Production	1										1						1
01.0601 - Horticulture General	1	1	1				1				2						3
01.0604 - Greenhouse Operation & Mgt.	1										1						1
01.0605 - Landscaping	2	1					1			1	1						3
01.0607 - Turf Management	1										1						1
01.0699 - Horticulture Other		1						1									1
01.9999 - Agribusiness & Agriculture Products	2											1	1				2
02.0101 - Agriculture Science, General	14		2							14			2				16
02.0201 - Animal Sciences, General	5		2							1	2		3	1			7
02.0204 - Animal Nutrition	1															1	1
02.0206 - Dairy	2												1	1			2
02.0209 - Poultry	3												1	1		1	3
02.0301 - Food Sciences, General	3												1	1		1	3
02.0302 - Dairy Processing	1												1				1
02.0401 - Plant Sciences, General	1												1				1
02.0402 - Agronomy	3												1	1		1	3
02.0403 - Horticulture Science	3												1	1		1	3
02.0404 - Ornamental Horticulture	2	2						2			1		1				4
02.0405 - Plant Breeding & Genetics	1												1				1
02.0406 - Plant Pathology	3												1	1		1	3
02.0408 - Plant Protection (Pest Mgt.)	2												1	1			2
02.9999 - Agriculture Science, Other	2												1	1			2
03.0201 - Conservation & Regulation	1												1				1
03.0301 - Fishing & Fisheries (Gen.)	1												1				1
03.0403 - Forest Products Utilization	1												1				1
03.0404 - Forest Products Processing Technology		1							1								1

*This table does not include post-doctoral program such as medical specialists: e.g. pediatrics. Key to abbreviations found on D.1-23.

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Assoc Tran	Assoc Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Total
03.0501 - Forestry & Related Sciences (Gen)	16	1	2					1		12	2	1	1	1		1	19
03.0502 - Forestry Science	1															1	1
03.0505 - Forest Hydrology	1															1	1
03.0506 - Forest Management	1										1						1
03.0599 - Forestry & Related Sciences (Other)	1		1							1						1	2
03.0601 - Wildlife Management	2									1	1						2
04.0101 - Architecture & Environmental Design (General)	1									1							1
04.0201 - Architecture	2													1	1		2
04.0301 - City, Community & Regional Planning	2		1											2	1		3
04.0501 - Interior Design	3		3		2	4	1	2	1	2			5	1			12
04.0601 - Landscape Architecture	3									1				1		1	3
04.9999 - Architecture & Environmental Design (Other)			1										1				1
05.0100 - Area Studies	1												1				1
05.0101 - African Studies			1										1				1
05.0102 - American Studies			1										1				1
05.0107 - Latin American Studies			1										1				1
05.0199 - Area Studies (Other)			2										2				2
05.0201 - Afro-American (Black) Studies			3										2	1			3
06.0101 - Business & Manager (General)	23	1	11			3	2	3		5	6		13	8		1	38
06.0201 - Accounting	36		18		3	8	2	3	2	12	11		26	7		2	65
06.0300 - Banking & Finance (General)	2									1	1						2
06.0301 - Banking & Finance	14	1	8				1			3	2		12	4		1	23
06.0401 - Business Administration & Management (General)	39		31		4	1		2	1	27	8		24	11		2	75
06.0404 - Systems Efficiency Analysis	1												1				1
06.0499 - Business Adminstration & Management (Other)	2									1			1				2
06.0501 - Business Economics	13		6							2			14	2		1	19
06.0601 - Human Resources Development (General)			1										1				1

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Assoc Tran	Assoc Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
06.0601 - Human Resources Development						1		1									1
06.0700 - Institution Management	2		1							1			2				3
06.0701 - Hotel/Motel Management	1		1							1	1						2
06.0704 - Restaurant Management			1							1							1
06.0705 - Transportation Management	2		1			1		1		2					1		4
06.0799 - Institution Management		1				1	2										2
06.0801 - Insurance & Risk Management	4		2										4	1		1	6
06.0901 - International Business Management	3												1	1		1	3
06.1000 - Investments & Securities (General)	2		3										4	1			5
06.1001 - Investment & Securities						1	1										1
06.1101 - Labor/Industrial Relations	1												1				1
06.1300 - Management Science (General)	2												2				2
06.1301 - Business Statistics	2		1										1	1		1	3
06.1399 - Management Science (Other)			3							1	1			1			3
06.1400 - Marketing & Management Research	9		1										7	2		1	10
06.1401 - Marketing Management	9	1	2		1			1		2	4		4	2			13
06.1501 - Organizational Behavior	1		1										1	2		1	4
06.1601 - Personnel Management		1					1										1
06.1701 - Real Estate (General)	7	1				56	55	1	1	2			4	2		1	66
06.1705 - Real Estate Finance	1												1				1
06.1801 - Small Business Management	2							1	1								2
06.1802 - Small Business Ownership	1													1			1
06.2001 - Trade & Industrial Supervision Management	5	1					1		1	1			2	1			6
06.9999 - Business & Management (Other)	2					1		1					1	1			3
07.0101 - Accounting, Bookkeeping & Related Projects (General)	1	4			2		1	3	1		2						7
07.0102 - Accounting & Computing	1	27			1		3	22	3		1						29
07.0104 - Machine Billing, Bookkeeping & Computing		1					1										1
07.0199 - Accounting, Bookkeeping (Other)						2	2										2

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Assoc Tran	Assoc Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
07.0201 - Banking & Related Financial Projects (General)	1	1	1				1			1			1				3
07.0205 - Teller						1	1										1
07.0300 - Business Data Processing & Related Projects	1									1							1
07.0301 - Business Data Processing & Related Projects (General)	6	18	2					8	10	1	5		2				26
07.0302 - Business Computer & Console Operation		2						2									2
07.0303 - Business Data Entry Equipment Operation		2			2	1	4	1									5
07.0305 - Business Data Programming	4	5			5			4	5	2	2		1				14
07.0306 - Business System Analysis	1				3					1	1		2				4
07.0399 - Business Data Processing & Related Projects (Other)						1		1									1
07.0401 - Office Supervision & Management	15	1	1				1	1	2	6	2		8				20
07.0601 - Secretarial & Related Projects (General)	4	1	2			1		5		2			1				8
07.0602 - Court Reporting						1			1								1
07.0603 - Executive Secretary	5	1	1		6	3		9		4	2		1				16
07.0604 - Legal Secretarial	7	1	1		4	4		9	1	3	4						17
07.0605 - Medical Secretarial	6	4	1		4	5	1	12	1	3	3						20
07.0606 - Secretarial	39	30	9		3	9	6	37	9	17	12		9				90
07.0607 - Stenographic	2	1			2	2	1	5	1								7
07.0699 - Secretarial & Related Projects (Other)					6	1		4			3						7
07.0701 - Typing, General Office & Related Projects (General)	9	2	1			1	8	4			1						13
07.0702 - Clerk-Typist		10			2	4	4	11	1								16
07.0705 - General Office Clerk	9	20			1	2	3	23	3	1	2						32
07.0707 - Receptionist & Communication Systems Operations		1						1									1
07.0710 - Typing		1			1	2	3	1									4

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
08.0101 - Apparel & Accessories Marketing (General)	4							1		2	1						4
08.0102 - Fashion Merchandising	5	2	1		1	7		6	2	4	2		2				16
08.0103 - Fashion Modeling					1	7	6	2									8
08.0199 - Apparel & Accessories Marketing (Other)						1		1									1
08.0701 - Business & Personnel Services Marketing (General)	1									1							1
08.0401 - Financial Services Marketing (General)		1						1									1
08.0403 - Credit Marketing	1									1							1
08.0600 - Food Marketing	2									2							2
08.0601 - Food Marketing (General)	1									1							1
08.0700 - General Marketing	11	10			1			8	4	4	5		1				22
08.0702 - Industrial Sales	1									1							1
08.0703 - International Marketing	1									1							1
08.0705 - Retailing	2	2				1		3		1	1						5
08.0707 - Wholesaling	1									1							1
08.0799 - General Marketing (Other)	1	1						1					1				2
08.0901 - Hospitality & Recreation Marketing (General)	1									1							1
08.1001 - Insurance Marketing (General)	1	1					1			1							2
08.1100 - Transportation & Travel Marketing						1	1										1
08.1101 - Transportation & Travel Marketing (General)	1					1		1		1							2
08.1104 - Tourism	1		1		1					2	1						3
08.1105 - Travel Services Marketing						4	2	1	1								4
08.1203 - Auto Vehicles & Accessories Marketing	1									1							1
09.0100 - Communications (General)			2										2				2
09.0101 - Communications (General)	2		2										4				4
09.0201 - Advertising	2	1				1	1	1		1			1				4
09.0401 - Journalism (Mass Communication)	19		9							17		1	9	1			28
09.0499 - Journalism (Mass Communication Other)	4												4				4
09.0501 - Public Relating	2												2				2

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
09.0601 - Radio/T.V. News Broadcast	1		1										2				2
09.0701 - Radio/T.V. (General)	1	1	1			3	3	1					2				6
09.9999 - Communications (Other)		1	1				1						1				2
10.0100 - Communications Technologies			2							1	1						2
10.0104 - Radio/T.V. Production/ Broadcasting			2										2				2
10.0199 - Communications Technologies (Other)	1												1				1
11.0101 - Computer and Information Sciences (General)	16		6					1		7			11	2		1	22
11.0201 - Computer Programming	4				2			2	1		3						6
11.0300 - Data Processing					1					1							1
11.0301 - Data Processing	16	1				4	2	4	2	4	8		1				21
11.0401 - Information Sciences & Systems	3												1	1		1	3
11.9999 - Computer & Information Sciences (Other)	1												1				1
12.0202 - Bartending						1	1										1
12.0301 - Funeral Services				1				1									1
12.0402 - Barbering		3				8	1	9	1								11
12.0403 - Cosmetology	1	28				59	2	79	6								88
12.0404 - Electrolysis						1	1										1
12.0405 - Massage		1						1									1
12.0499 - Personnel Services (Other)						2		2									2
12.0500 - Personnel Services	1									1							1
12.9999 - Consumer Personnel & Miscellaneous Services			2			1	1							1	1		3
13.0100 - Education (General)			1											1			1
13.0101 - Education (General)	15		13							9	1		7	6	3	2	28
13.0201 - Bilingual/Bilingual Education			2										1	1			2
13.0301 - Curriculum & Instruction	4		1											2	1	2	5
13.0401 - Education Administration	12		1											6	5	2	13
13.0402 - Administration of Special Education	2														1	1	2
13.0404 - Education Supervision	8													3	3	2	8

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
13.0406 - Higher Education Administration	2															2	2
13.0501 - Education Media	9													1	5	3	9
13.0601 - Evaluation & Research (General)	1															1	1
13.0603 - Education Statistics & Research	1															1	1
13.0604 - Education Testing, Evaluation & Measuring	4													2	1	1	4
13.0699 - Evaluation Research - (Other)	1													1			1
13.0801 - School Psychology	4		1										1	1	1	2	7
13.0899 - School Psychology (Other)	4												1	1	1	1	4
13.0901 - Social Foundations	2		1											2		1	1
13.1001 - Special Education (General)	24		1					1		3			9	7	3	2	25
13.1003 - Education of the Deaf & Hearing Impaired	3										1			1		1	3
13.1004 - Education of the Gifted & Talented	3												1	1	1		3
13.1005 - Education of the Emotionally Handicap	4		3										1	3	2		6
13.1006 - Education of the Mentally Handicap	6		2										5	2	1		8
13.1007 - Education of the Multiple Handicap	1													1			1
13.1011 - Specific Learning Disabilities	4		5										2	5	2		9
13.1012 - Speech Correction	1													1			1
13.1099 - Special Education (Other)	2													2			2
13.1101 - Student Counseling & Personnel Services	14		1										1	7	5	2	15
13.1199 - Student Counseling & Personnel Service (Other)	8													4	4		8
13.1200 - Teacher Education (General)	4									3						1	4
13.1201 - Adult & Continuing Education	5									1				2	1	1	5
13.1202 - Elementary Education	41		29							12		1	30	18	7	2	70
13.1203 - Junior High Education	18		6							1			12	7	4		24
13.1204 - Pre-Elementary Education	33		11		1			1		5	1		17	12	6	3	45
13.1205 - Secondary Education	19		8							11			8	5	3		27
13.1299 - Teacher Education (Other) General Program	1												1				1

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
13.1300 - Teacher Education Specific Subject Area			2											2			2
13.1301 - Agriculture Education	4												2	1	1		4
13.1302 - Art Education	14		7							1			14	4	1	1	21
13.1303 - Business Education	39		6							13			16	9	5	2	45
13.1304 - Driver & Safety Education	2													1	1		2
13.1305 - English Education	14		9										15	6	2		23
13.1306 - Foreign Language Education	4		5									1	6	1	1		9
13.1307 - Health Education	21		6							11			11	3	2		27
13.1308 - Home Economics Education	11		6							1			9	5	2		17
13.1309 - Industrial Arts Education	6												3	2	1		6
13.1310 - Marketing & Distributive Education	11							1		2		1	2	2	2	1	11
13.1311 - Mathematical Education	19		9							1		1	15	6	3	2	28
13.1312 - Music Education	19		13							3		1	19	5	3	1	32
13.1313 - Nutritional Education	2		4									1	2	2	1		6
13.1314 - Physical Education	37		13							17			21	8	3	1	50
13.1315 - Reading Education	15		2											10	5	2	17
13.1316 - Science Education	19		10									1	16	6	4	2	29
13.1317 - Social Science Education	15		5										11	5	3	1	20
13.1318 - Social Studies Education	5		4										6	1	1	1	9
13.1319 - Technology Education	9								1				2	3	2	1	9
13.1320 - Trade & Industrial Education	14		1							5			4	3	3		15
13.1399 - Teacher Education (Other)	34		12							1			22	9	8	6	46
13.1401 - Teaching English as a Second Language/Foreign Language			1										1				1
13.9999 - Education Other	3		1										1	2		1	4
14.0101 Engineering (General)	9		6							7		3	5				15
14.0201 - Aerospace, Aeronautical - Astronautical Engineering	3												1	1		1	3
14.0301 - Agricultural Engineering	8									6			1	1			8
14.0601 - Ceramic Engineering	3												1	1		1	3

CIP Specific Program Name and Number	Division						LEVEL										
							Cert or Dipl			Degree							
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
14.0701 - Chemical Engineering	3		1														
14.0801 - Civil Engineering	4		1									1	1	1		1	4
14.1001 - Electrical Electronics & Communication Engineer	3											2	1	1		1	5
14.1101 - Engineering Mechanics	3												1	1		1	3
14.1201 - Engineering Physics	2												1	1		1	3
14.1301 - Engineering Science	1									1			1	1			2
14.1401 - Environmental Health Engineering	1													1			1
14.1601 - Geophysical Engineering	2																
14.1701 - Industrial Engineering	3		1											1			1
14.1801 - Materials English	3											1	1	1		1	2
14.1901 - Mechanical Engineering	1												1	1		1	3
14.2001 - Metallurgical Engineering			1									1	1	1		1	4
14.2301 - Nuclear Engineering	3													1			1
14.2601 - Surveying & Mapping Science	1											1					1
14.2801 - Textile English	3							1					1	1		1	3
14.9999 - Engineering (Other)	2		1										1	1		1	3
15.0000 - Engineering & Engineering Related Technology	3												2	1			2
15.0100 - Architectural Technologies		3					1			1			1				
15.0101 - Architectural Design & Construction Technology	5							1	2								3
15.0201 - Civil Technology	6	1								1	1		2	1			3
15.0202 - Drafting & Design Technology		1							1	2	1		3				5
15.0203 - Surveying & Mapping Technology	2	2							1								7
15.0300 - Electrical - Electronic Technology								1	1	1	1						1
15.0301 - Computer Technology	1																4
15.0302 - Electrical Technology	5					1					1						
15.0303 - Electronic Technology	2	6						2		1	2		1				1
15.0399 - Electrical & Electronic Technology (Other)	8	25			2	2	1	1	6	1							6
15.0403 - Electromechanical Technology	4							3	23	3	5		2				8
	2	5								1	2		1				37
									6	1							4
																	7

CIP Specific Program Name and Number	Division						LEVEL										
							Cert or Dipl			Degree							
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
15.0404 - Instrumentation Technology	2	2							2	1	1						4
15.0500 - Environmental Control Tech.	2									2							2
15.0505 - Solar Heating & Cooling Technology		1					1										1
15.0600 - Industrial Production Tech.	1								1								1
15.0601 - Chemical Technology	3	1							2	2							1
15.0603 - Industrial Technology	9								1	4	1		3	1			4
15.0604 - Manufacturing Technology	1		2										1				10
15.0609 - Textile Technology	4									3	2		1				1
15.0699 - Industrial Production Tech. (Other)	5												1				6
15.0800 - Mechanical & Related Tech.	8	6								2	2		1				
15.0801 - Aeronautical Technology.	1						2		6	3	1		2				5
15.0802 - Agricultural Equipment Tech.	2					1	1			1							14
15.0803 - Automotive Technology	6	1								1	1						2
15.0804 - Drafting and Design Technology	5	3						2	3	2							2
15.0899 - Mechanical & Related Tech., Other								2	2		3						7
15.9999 - Engineering Related Tech. Other	5									1	3		1				8
16.0000 - Foreign Languages	11									8	2		1				9
16.0101 - Foreign Language Multiple Emphasis	7		2							7			1	1			11
16.0402 - Russian	2	2	7						2				4	2	1	2	9
16.0403 - Slavic Language Other than Russian			1										1				11
16.0501 - German	1												1				1
16.0600 - Greek	9		8										1				
16.0601 - Greek Classical	2		1							1		1	13	2			1
16.0900 - Italian Language			1										2	1			17
16.0901 - French	3												1				3
16.0903 - Latin	13		9										1	1		1	1
16.0905 - Spanish	2		3							4			14	4			3
17.0000 - Allied Health	15		15										4	1			22
			1									1	18	4	1	1	5
													1				30

CIP Specific Program Name and Number	Division						LEVEL									
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	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot.
17.0101 - Dental Assisting	1	4				2		6		1							
17.0102 - Dental Hygiene	15		1							9	5		2				16
17.0103 - Dental Laboratory Technician	1	2				1			3		1						
17.0199 - Dental Services, Other	1									1							
17.0205 - Emergency Medical Technology Ambulance		3	1				3			1							
17.0206 - Emergency Medical Technology Paramedical	4	3					2	2	1	1	1						
17.0208 - Nuclear Medical Technology	1		1					1			1		1	1			
17.0209 - Radiography Medical Tech.	8	4	1	2			1		5	5	2		1	1			
17.0210 - Respiratory Therapy Technology	4	4					1	3	1	3							
17.0211 - Surgical Technology	2	5				3		7	3								
17.0299 - Diagnostic & Treatment Services, Other				1				1									
17.0301 - Blood Bank Technology	1									1							
17.0304 - Clinical Laboratory Aide			1			1	1			1							
17.0305 - Clinical Laboratory Assisting		3				2	1		4								
17.0306 - Cytotechnology	2			1				1		2							
17.0307 - Hematology Technology		1					1										
17.0309 - Medical Laboratory Technology	11	5	2			1		5	1	5	8						
17.0310 - Medical Technology	12		7							7	2	1	9				
17.0400 - Mental Health/Human Services	1		1							2							
17.0402 - Community Health Work			2														
17.0404 - Home Health Aide						1		1						1		1	
17.0405 - Mental Health/Human Services Assisting	1									1							
17.0406 - Mental Health/Human Services Technology	2									1	1						
17.0503 - Medical Assisting	3	10	1		6	10	4	18	3	3	2						
17.0504 - Medical Illustrating	4		4							2	1		2	2		1	
17.0505 - Medical Office Management		1	1			1		1	1				1				
17.0506 - Medical Records Technology	2		1							1			2				
17.0508 - Physician Assisting Primary Care	2		2							2			2				

CIP Specific Program Name and Number	Division						LEVEL									
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	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot.
17.0511 - Veterinary Aide	1										1						
17.0513 - Ward Clerk		2				1	1										
17.0599 - Miscellaneous Allied Health Services, Other						1	1										
17.0602 - Obstetrical Technology		5			1	2	8										
17.0604 - Pediatric Aide	1									1							
17.0605 - Practical Nursing	3	30						30	3								
17.0701 - Opthalmic Dispensing		1							1								
17.0705 - Optometric Technology		1						1									
17.0706 - Orthoptics			1							1							
17.0804 - Exercise Physiology	1									1							
17.0805 - Manual Arts Therapy	1										1						
17.0806 - Music Therapy	1									1							
17.0807 - Occupational Therapy	6									5			1				
17.0808 - Occupational Therapy Assist.	1												1				
17.0809 - Occupational Therapy Aide	1									1							
17.0813 - Physical Therapy	7		3							3	1		5	1			
17.0814 - Physical Therapy Aide	1									1							
17.0815 - Physical Therapy Assisting	1										1						
17.0816 - Recreational Therapy			1										1				
17.0817 - Recreational Therapy Tech.	1									1							
17.0818 - Respiratory Therapy	7		1							3			4	1			
17.0820 - Speech/Hearing Therapy Aide	1									1							
17.0821 - Speech-Language Pathology/ Audiology			1											1			
17.0899 - Rehabilitation Services, Other																	
17.9999 - Allied Health - Other	2	3					2	1	1		1						
18.0000 - Health Sciences	1												1				
18.0100 - Audiology & Speech Pathology	1												1				
18.0101 - Audiology			1											1			

CIP Specific Program Name and Number	Division						LEVEL									
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	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
18.0102 - Speech Pathology	3													1	1	1	3
18.0103 - Speech Pathology/Audiology	1												1				1
18.0301 - Chiropractic			2					1								1	2
18.0401 - Dentistry, General	1		2											1		2	3
18.0501 - Emergency/Disaster Science	1										1						1
18.0700 - Health Science Admin.	4												1	2		1	4
18.0703 - Medical Records Admin.	5		2							3	1		3				7
18.0900 - Medical Laboratory Science	1												1				1
18.0901 - Medical Laboratory Science	6		1										5	2			7
18.1001 - Medicine, General	1		1													2	2
18.1012 - Nuclear Medicine	1									1							1
18.1025 - Radiology				4				1	3								4
18.1099 - Medicine, Other	1									1							1
18.1101 - Nursing, General	35		9	2					2	15	12	1	13	3			46
18.1102 - Anesthetist			1											1			1
18.1199 - Nursing, Other	2									1			1				2
18.1201 - Optometry	3									2			1				3
18.1401 - Pharmacy	2		3										2	1		2	5
18.1499 - Pharmacy, Other	2													1		1	2
18.1701 - Pre-Dentistry	16		17	1					2	16		7	9				34
18.1801 - Pre-Medicine	16		17							15		7	11				33
18.1901 - Pre-Pharmacy	16		14						1	17		7	5				30
18.2001 - Pre-Veterinary	12		8							11		5	4				20
18.2201 - Public Health Laboratory Science	1												1				1
18.2401 - Veterinary Medicine	2													1		1	2
18.2499 - Veterinary Medicine, Other	6													3		3	6
18.9999 - Health Sciences, Other	4		1							1			2	2			5
19.0101 - Home Economics (General)	16		4							9	2		7	2			20

CIP Specific Program Name and Number	Division						LEVEL									
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	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tot
19.0201 - Business Home Economics	1										1						1
19.0302 - Nonformal Education Extension/ Adult Extended	1												1				1
19.0303 - Family Services	1										1						1
19.0401 - Family Consumer Resource Management	1													1			1
19.0499 - Family - Consumer Resource Management, Other	2												1	1			2
19.0501 - Food Sciences Human Nutrition (General)	6		1							1			4	1		1	7
19.0502 - Food/Food Sciences	2									1	1						2
19.0503 - Dietetics/Human Nutritional Servic	2		3										4	1			5
19.0599 - Food Sciences Human Nutrition Service	3												3				3
19.0601 - Human Environment & Housing (General)	1												1				1
19.0603 - Housing	1												1				1
19.0701 - Individual & Family Development (General)	4		1										3	1		1	5
19.0900 - Textiles & Clothing	1												1				1
19.0901 - Textiles & Clothing (General)	2	1					1						2				3
19.0902 - Fashion Design		1	1			2		1	1	1			1				4
19.0903 - Textile & Clothing Retail	1												1				1
19.0999 - Textile Clothing, Other	1									1							1
19.9999 - Home Economics, Other	1												1				1
20.0101 - Comprehensive Consumer & Homemaking Home Economics		1					1										1
20.0102 - Child Develop., Care & Guidance	8	9	2				1	5	4	1	5		3				19
20.0103 - Clothing & Textiles	1	2					2				1						3
20.0104 - Consumer Education		16					15	1									16
20.0106 - Family -Individual Health	1	3					3				1						4
20.0109 - Home Management		1					1										1
20.0110 - Housing, Home Fu & Equip.	2	2					2				1		1				4
20.0199 - Consumer Homemaking Other	3												2	1			3
20.0201 - Child Care & Guid. Mgt Serv.		5						2	3								5
20.0202 - Child Care Aide/Assisting		1	2						1	1			1				3

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20.0205 - Teacher-Aide	4		1					1		2	2						5
20.0299 - Child Care & Guidance Management & Other		3					3										3
20.0301 - Clothing, Apparel and Textile Management Production & Services (General)	5	3					1	1	1	1	1		2	1			8
20.0303 - Commercial Garment & Apparel Construction		1	1					1					1				2
20.0305 - Custom Tailoring & Alterations		1						1									1
20.0399 - Clothing, Apparel & Textile Management - Practical Svc. (Other)		1						1									1
20.0401 - Food Production, Management & Service (General)		5	2				1	2	2	1	1						7
20.0402 - Baking		1					1										1
20.0403 - Chef/Cook		1					1										1
20.0404 - Dietetic Aide/Assisting			1											1			1
20.0405 - Food Catering		1						1									1
20.0406 - Food Service	2	1						1		1			1				3
20.0501 - Home Furnishings & Equipment Management, Production & Supplies		1					1										1
20.0502 - Custom Drapery & Window Treatment Design/Making		1					1										1
20.0503 - Custom Slip Covering & Upholstering							1										1
20.0[illegible] - Floral Designing						1	1									1	1
20.[illegible] - Home Decorating		1					1										1
20.0601 - Institution, Home Management & & Supporting Programs	1		2							1			2				3
21.0102 - Construction	1												1				1
21.0103 - Drafting & Design	2							1			1						2
21.0104 - Electricity/Electronics	1										1						1
21.0106 - Graphic Arts		1							1								1
22.0101 - Law	3	10								2			2	4		5	13

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22.0102 - Pre-Law	13		13							12		2		12			26
22.0103 - Legal Assisting						2	1	1									2
23.0101 - English (General)	39		23							15		1	32	10	1	3	62
23.0201 - Classics	2		2										3	1			4
23.0301 - Comparitive Literature	3												1	1		1	3
23.0501 - Creative Writing			1									1					1
23.0601 - Linguistics including Phonetics, Sementics, & Philolgy	2																
23.0701 - Literature, American			1											1		1	2
23.0801 - Literature, English	1		1										1				1
23.1001 - Speech, Debate, Forensics	9		7										2				2
23.9999 - Letters, Others	3		3							3		1	11	1			16
24.0101 - Liberal, General Studies	21	1	21				1		1	2	3	1	2	1		1	6
25.0201 - Archival Science			1							26			8	2		1	43
25.0301 - Library Assisting	3													1			1
25.0401 - Library Science	2		3							1	2						3
25.9999 - Library & Archival Sciences Other			1											3	2		5
26.0100 - Biology, General	1													1			1
26.0101 - Biology, General	36		23							1							1
26.0201 - Biochemistry & Biophysics	7		4							14			33	10		2	59
26.0301 - Botany (General)	3												3	5		3	11
26.0303 - Mycology			1										1	1		1	3
26.0401 - Cell Biology			1											1			1
26.0499 - Cell & Molecular Biology & Other	1													1			1
26.0501 - Microbiology	5		3											1			1
26.0599 - Microbiology (Other)	1												1	4		3	8
26.0601 - Anatomy	4													1			1
26.0602 - Biometrics & Biostatistics			2											2		2	4
26.0603 - Ecology	1		2											1		1	2
													1	1		1	3

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26.0605 - Endrocrinology	2													1		1	
26.0607 - Marine Biology	1												1				1
26.0610 - Parasitology			4											2		2	
26.0701 - Zoology (General)	4												2	1		1	
26.0702 - Entomology	3												1	1		1	
26.0703 - Genetics, Human & Animal	2		1											2		1	
26.0704 - Pathology, Human & Animal			2											1		2	4
26.0705 - Pharmacology, Human & Animal	2		2														
26.0706 - Physiology, Human & Animal	4		3														
26.0799 - Zoology, Other			1														
27.0101 - Mathematics - General	38		20							15			30	10	1	2	58
27.0201 - Actuarial Sciences	1													1			1
27.0301 - Applied Mathematics	5												2	2		1	5
27.0401 - Pure Mathematics	3												1	1		1	3
27.0501 - Statistics	3												1	1		1	3
27.9999 - Mathematics, Other		1					1										1
28.0101 - Aerospace Science (Air Force)			1										1				1
28.0301 - Military Science (Army)	1		2										2				3
28.0401 - Naval Science, Navy & Marines			1										1				1
30.0000 - Multi/Interdisciplinary Studies	1												1				1
30.0101 - Biology & Physical Sciences	4		8							5			6	1			12
30.0201 - Clinical Pastoral Care			1													1	1
30.0301 - Engineering & Other Disciplines			2									1	1				2
30.0401 - Humanities & Social Sciences	1		4							2			3				5
30.0501 - Peace Studies	1									1							1
30.9999 - Multi/Interdisciplinary Studies - Other	1		2							1			1	1			3
31.0101 - Parks & Recreation (General)	1										1						1
31.0201 - Outdoor Recreation	4		2							3	1	1	1				6
31.0301 - Parks & Recreation, Management	11		2							5			7	1			13
32.0102 - Academic & Intellectual Skills						1	1										1

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32.0199 - Basic Skills, Other						1			1								1
36.0102 - Crafts			1										1				1
36.0107 - Pet Care						2	2										2
36.0108 - Sports/Physical Education	1		1										2				3
38.0000 - Philosophy & Religion			1									1					1
38.0101 - Philosophy	11		12							4			15	3		1	23
38.0200 - Religion			1										1				1
38.0201 - Religion	2		18							2			15	2		1	20
38.9999 - Philosophy & Religion - Other			1										1				1
39.0301 - Missionary Studies			3										3				3
39.0400 - Religious Education			1										1				1
39.0401 - Religious Education			5							2			2	1			5
39.0501 - Religious Music	1		5										6				6
39.0600 - Theological Studies			2											1		1	2
39.0601 - Theological Studies	1		6							1			3	2		1	7
39.9999 - Theology - Other			5							1			3	1			5
40.0101 - Physical Sciences (General)			1										1				1
40.0201 - Astronomy	2		1									1	2				3
40.0501 - Chemistry (General)	39		21							16			33	8		3	60
40.0504 - Organic Chemistry			1											1			1
40.0599 - Chemistry - Other	2												1	1			2
40.0601 - Geology	16		3							8			6	3		2	19
40.0799 - Miscellaneous Physical Sciences - Other	4												3	1			4
40.0801 - Physics (General)	29		10							13		1	18	4		3	39
40.0806 - Nuclear Physics	1													1			1
41.0201 - Nuclear Materials Handling Technology			1										1				1
41.0204 - Radiologic (Physical) Technology	1									1							1
41.0305 - Oceanographic (Physical) Technology		1							1								1
41.9999 - Science Technologies - Other	1									1							1

73

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Total
42.0100 - Psychology (General)			1										1				1
42.0101 - Psychology (General)	41		18							16			29	10		4	59
42.0201 - Clinical Psychology			1													1	1
42.0401 - Community Psychology			1										1				1
42.0601 - Counseling Psychology	1													1			1
42.9999 - Psychology - Other	2		2						1			1	2				4
43.0100 - Criminal Justice	3		1							1			3				4
43.0104 - Criminal Justice Studies	14		4							8			8	2			18
43.0105 - Criminal Justice Technology	24		4						1	15	9		2	1			28
43.0107 - Law Enforcement	1	1	1				1	1		1							3
43.0201 - Fire Control & Safety Technology	1		2							2	1						3
43.0203 - Firefighting	2									1	1						2
43.9999 - Protective Services - Other	2									1	1						2
44.0101 - Public Affairs (General)	1									1							1
44.0199 - Public Affairs - Other	2									1			1				2
44.0201 - Community Services			1										1				1
44.0401 - Public Administration	13		1							2	3		2	6		1	14
44.0501 - Public Policy Studies			1										1				1
44.0602 - Public Transportation			1											1			1
44.0603 - Public Utilities			1											1			1
44.0701 - Social Work (General)	12		8							4	2		10	3		1	20
44.0799 - Social Work - Other	1												1				1
44.9999 - Public Affairs, Other	1		1										2				2
45.0101 - Social Sciences (General)	12		7							5			9	5			19
45.0200 - Anthropology (General)	1									1							1
45.0201 - Anthropology	8		2							4			4	2			10
45.0401 - Criminology	3												3				3
45.0601 - Economics	16		10							3			16	4		3	26
45.0701 - Geography	9		1							3			4	2		1	10
45.0801 - History	41		22							16			33	11		3	63
45.0901 - International Studies	1		1										2				2

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45.1001 - Political Science & Government	37	17								14			28	8		4	54
45.1099 - Political Science & Government - Other	1												1				1
45.1101 - Sociology	35	17								15		1	26	7		1	52
45.1201 - Urban Studies	8		1							5			2	1		1	9
45.9999 - Social Studies - Other	1		5										6				6
46.0000 - Construction Trades		4	1				1	1	2	1							5
46.0101 - Brickmasonry, Stonemasonry, & Tile Setting (General)		1							1								1
46.0102 - Brick, Block & Stonemasonry	2	16					2	12	3	1							18
46.0201 - Carpentry	1	14						12	2		1						15
46.0301 - Electrical & Power Transmission Installation (General)	1	4					1	2	1	1							5
46.0302 - Electrician	2	18					2	13	5								20
46.0401 - Building Maintenance		1						1									1
46.0499 - Miscellaneous Construction Trades - Other						2	1		1								2
46.0501 - Plumbing, Pipefitting & Steamfitting (General)		3					1	2									3
47.0101 - Electrical & Electronics Repair (General)		2			1	2	1	2	2		1						6
47.0102 - Business Machine Repair	2	3						2	2	1							5
47.0103 - Communications Electronics		15						6	9								15
47.0104 - Computer Electronics	1							1									1
47.0105 - Industrial Electronics		1					1										1
47.0106 - Major Appliance Repair		4						3	1								4
47.0108 - Small Appliance Repair		1						1									1
47.0199 - Electrical & Electronics Equipment Repair - Other					1				1								1
47.0201 - Heating, Air Conditioning & Refrigeration Mechanics (General)	2	4						2	3		1						6

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tota
47.0202 - Cooling & Refrigeration	1	13						4	10								1
47.0203 - Heating & Air Conditioning	1	11					2	4	5		1						1
47.0300 - Industrial Equipment Maintenance & Repair		1							1								
47.0301 - Industrial Equipment Maintenance & Repair (General)		1							1								
47.0302 - Heavy Equipment Maintenance & Repair		1					1										
47.0303 - Industrial Machinery Maintenance & Repair		2							2								
47.0406 - Shoe & Boot Repair		1						1									1
47.0408 - Watch Repair		1						1									1
47.0501 - Stationary Energy Sources (General)	1									1							1
47.0601 - Vehicle & Mobile Equipment Mechanics & Repairs (General)		1							1								1
47.0602 - Aircraft Mechanics		3						1	2								3
47.0603 - Automotive Body Repair	3	22					1	15	8		1						25
47.0604 - Automotive Mechanics	2	27				2		14	16		1						31
47.0605 - Diesel Engine Mechanics	2	10					1	6	5								12
47.0606 - Small Engine Repair	1	4					1	2	1		1						5
47.0699 - Vehicle & Motor Equipment Mechanics & Repairs - Other		5					5										5
48.0101 - Drafting (General)	1	18			1	2	1	8	12	1	1						23
48.0102 - Architectural Drafting	1	3						3		1							4
48.0103 - Civil/Structural Drafting		1				1		1	1								2
48.0104 - Electrical/Electronic Drafting		1					1										1
48.0105 - Mechanical Drafting		5				1		5	1								6
48.0199 - Drafting - Other	1	3					2	2									4
48.0201 - Graphic Communications (General)		5					1	4									5
48.0203 - Commercial Art	4	2	3		2	1		3	1	4			3	1			12
48.0204 - Commercial Photography		1							1								1

CIP Specific Program Name and Number	Division						LEVEL									
							Cert or Dipl			Degree						
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Tota
48.0206 - Lithography, Photography, Platemaking		1							1								1
48.0208 - Printing Press Operations		3						2	1								3
48.0301 - Leatherworking & Upholstering (General)		1						1									1
48.0303 - Upholstering		2						1	1								2
48.0402 - Meatcutting		1					1										1
48.0503 - Machine Tool Operations/ Machine Shop	1	25						15	11								26
48.0504 - Metal Fabrication		3					1	1	1								3
48.0506 - Sheet Metal	1						1										1
48.0507 - Tool & Die Making		4						3	1								4
48.0508 - Welding, Brazing & Soldering	6	24				3	4	25	2	1	-1						33
48.0599 - Precision Metal Work - Other		4					4										4
48.0703 - Millwork & Cabinet Making		3						3									3
49.0102 - Airplane Piloting & Navigation						36	9	10	17								36
49.0104 - Aviation Management	1										1						1
49.0205 - Truck & Bus Driving						1	1										1
49.9999 - Transportation & Material Moving - Other	1									1							1
50.0000 - Visual & Performing Arts	1												1				1
50.0101 - Visual & Performing Arts (General)			3							1		1	1				3
50.0201 - Crafts (General)	2												2				2
50.0202 - Ceramics	2		2							1			3				4
50.0204 - Fiber/Textiles/Weaving			1										1				1
50.0301 - Dance			1										1				1
50.0401 - Design (General)			1										1				1
50.0402 - Graphic Design	1					2		1	1				1				3
50.0403 - Illustration Design						2		1	1								2
50.0499 - Design - Other						3		1	2								3
50.0501 - Dramatic Arts	23		13							14			20	1		1	36
50.0601 - Film Arts (General)	1									1							1

CIP Specific Program Name and Number	Division						LEVEL										
							Cert or Dipl			Degree							
	Pub Col/ Univ	Pub Voc-Tech	Priv Col/ Univ	Priv Cert Dipl	Prop Deg	Prop Cert Dipl	≤ 6 Mo.	≤ 1 yr	> 1 yr	Asso Tran	Asso Non-Tran	Bac Tran	Bac	Mast	6 yr Spec	Doct	Total
50.0605 - Photography	3		2		2			1		1			4	1			7
50.0606 - Video			1										1				1
50.0701 - Fine Arts (General)	25		17							16			23	2		1	43
50.0703 - Art History & Appreciation	3		5									1	5	2			8
50.0705 - Drawing	3		2										5				5
50.0708 - Painting	2		2										4				4
50.0709 - Sculpture	3		2										5				5
50.0799 - Fine Arts - Other	1		1										2				2
50.0801 - Graphic Arts Technology	2				1					1			2				3
50.0901 - Music (General)	26		17							15	1		23	4			43
50.0902 - Music History & Appreciation	4		1										4	1			5
50.0903 - Music Performance	7		7							2			11	1			14
50.0904 - Music Therapy & Composition	4		2										5	1			6
50.0999 - Visual & Performing Arts - Other	2		1			1	1						1				4
TOTALS	2,446	723	1,061	12	77	126	256	627	317	883	244	62	1,406	538	121	191	4,647

Key: ≤ 6 Mo. - Less Than or Equal to Six Months

≤ 1 yr - Less Than or Equal to One Year

> 1 yr - More Than One Year

A P P E N D I X E

SUB-STATE REGION PROGRAM PROFILES

Table E.1

Athens Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	0	0	39	24	4	181	129	39	81	0	497
Public Area Vocational-Technical Schools	4	65	31	0	0	0	0	0	0	0	0	100
Private Colleges/ Universities	0	1	0	38	4	5	34	0	0	0	0	82
Private Certificate/ Diploma Schools	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Degree Granting Institutions	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Certificate/Diploma Institutions	2	6	1	0	0	0	0	0	0	0	0	9
TOTALS	6	72	32	77	28	9	215	129	39	81	0	688

Table E.2

Rome Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	2	16	0	90	29	3	76	41	14	0	0	271
Public Area Vocational-Technical Schools	21	61	36	0	0	0	0	0	0	0	0	118
Private Colleges/ Universities	0	0	0	20	8	1	134	8	0	0	0	171
Private Certificate/ Diploma Schools	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Degree Granting Institutions	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Certificate/Diploma Institutions	6	13	2	0	0	0	0	0	0	0	0	21
TOTALS	29	90	38	110	37	4	210	49	14	0	0	581

Table E.3

Atlanta Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	1	11	15	204	41	4	122	99	19	59	0	565
Public Area Vocational-Technical Schools	24	110	50	0	0	0	0	0	0	0	0	184
Private Colleges/ Universities	0	2	1	11	0	18	372	128	17	48	32	629
Private Certificate/ Diploma Schools	0	4	5	0	0	0	0	0	0	0	0	9
Proprietary Degree Granting Institutions	1	4	2	8	0	0	3	0	0	0	0	18
Proprietary Certificate/Diploma Institutions	81	82	36	0	0	0	0	0	0	0	0	199
TOTALS	107	203	109	223	41	22	497	227	36	107	32	1,604

Table E.4

Columbus Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	3	0	19	2	4	82	30	0	0	0	140
Public Area Vocational-Technical Schools	5	21	8	0	0	0	0	0	0	0	0	34
Private Colleges/ Universities	0	0	0	25	1	0	0	0	0	0	0	26
Private Certificate/ Diploma Schools	0	0	2	0	0	0	0	0	0	0	0	2
Proprietary Degree Granting Institutions	3	6	2	0	0	3	0	0	0	0	0	14
Proprietary Certificate/Diploma Institutions	2	8	1	0	0	0	0	0	0	0	0	11
TOTALS	10	38	13	44	6	4	82	30	0	0	0	227

Table E.5

Albany Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	15	2	130	48	10	77	29	5	0	0	316
Public Area Vocational-Technical Schools	12	38	43	0	0	0	0	0	0	0	0	93
Private Colleges/ Universities	0	0	1	1	5	0	0	0	0	0	0	7
Private Certificate/ Diploma Schools	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Degree Granting Institutions	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Certificate/Diploma Institutions	4	12	3	0	0	0	0	0	0	0	0	19
TOTALS	16	65	49	131	53	10	77	29	5	0	0	435

Table E.6

Savannah Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	1	17	139	9	6	113	48	23	0	0	356
Public Area Vocational-Technical Schools	2	35	16	0	0	0	0	0	0	0	0	53
Private Colleges/ Universities	0	0	0	0	0	0	8	0	0	0	0	8
Private Certificate/ Diploma Schools	0	0	1	0	0	0	0	0	0	0	0	1
Proprietary Degree Granting Institutions	1	9	1	0	8	0	0	0	0	0	0	19
Proprietary Certificate/Diploma Institutions	15	12	3	0	0	0	0	0	0	0	0	30
TOTALS	18	57	38	139	17	6	121	48	23	0	0	467

Table E.7

Augusta Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	3	3	26	24	0	38	19	0	8	23	144
Public Area Vocational-Technical Schools	2	30	19	0	0	0	0	0	0	0	0	51
Private Colleges/ Universities	0	0	0	0	0	3	11	0	0	0	0	14
Private Certificate/ Diploma Schools	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Degree Granting Institutions	0	5	0	6	0	0	0	0	0	0	0	11
Proprietary Certificate/Diploma Institutions	10	4	2	0	0	0	0	0	0	0	0	16
TOTALS	12	42	24	32	24	3	49	19	0	8	23	236

Table E.8

Macon Region Postsecondary Programs 1980-81

	≤6 m	≤1 y	>1 y	Assoc T	Assoc NT	Bac T	Bac	Mast	6 yr Spec	Doc	Post Doc	Totals
Public Colleges/ Universities	0	8	1	79	25	1	51	9	4	0	0	178
Public Area Vocational-Technical Schools	48	33	7	0	0	0	0	0	0	0	0	88
Private Colleges/ Universities	1	6	3	42	8	3	104	4	0	1	0	172
Private Certificate/ Diploma Schools	0	0	0	0	0	0	0	0	0	0	0	0
Proprietary Degree Granting Institutions	1	5	3	0	5	0	0	0	0	0	0	14
Proprietary Certificate/Diploma Institutions	7	6	2	0	0	0	0	0	0	0	0	15
TOTALS	57	58	16	121	38	4	155	13	4	1	0	467

A P P E N D I X F

EDUCATIONAL SUPPLY AND DEMAND IN GEORGIA

Table F.1

Georgia Educational Supply and Demand: Statewide

Program Area	College-Bound Students Expressing First Interest			Number of Programs, 1980-81	Supply From Postsecondary Institutions & Apprentice. 1978-79
	Number, 1978	Number, 1980	Percent Change, 78-80		
AGRICULTURE	1115	991	-11		
01. Agribusiness and Agricultural Production	178	152	-15	23	149
02. Agricultural Sciences	137	158	15	52	358
03. Renewable Natural Resources	646	572	-11	30	130
ARCHITECTURE ENVIRONMENTAL DESIGN					
04. Architecture and Environmental Design	717	707	-01	22	256
BUSINESS	4362	5536	27		
06. Business and Management	2764	3821	38	370	5940
07. Business and Office	758	663	-13	348	3,394
08. Marketing and Distribution	133	199	50	81	896
COMMUNICATIONS	923	1161	26		
09. Communications	708	893	26	54	717
10. Communications Technologies	0	0	0	3	0
COMPUTER AND INFORMATION SCIENCES					
11. Computer and Information Sciences	751	1252	67	54	390
CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES					
12. Consumer, Personal, and Miscellaneous Services	77	101	31	109	908
EDUCATION					
13. Education	2462	2284	-07	781	5342
ENGINEERING	2140	2750	29		
14. Engineering	1549	1979	28	69	1565
15. Engineering and Engineering-Related Technologies	187	257	37	169	1019
FOREIGN LANGUAGES					
16. Foreign Languages	146	173	18	103	165

Program Area	College-Bound Students Expressing First Interest			Number of Programs, 1980-81	Supply From Postsecondary Institutions & Apprentice. 1978-79
	Number, 1978	Number, 1980	Percent Change, 78-80		
HEALTH	4865	4511	-07		
17. Allied Health	1538	1412	-08	274	3,543
18. Health Sciences	2807	2609	-07	230	1,644
HOME ECONOMICS	505	431	-15		
19. Home Economics	279	264	-05	61	272
20. Vocational Home Economics	112	95	-15	101	140
INDUSTRIAL ARTS					
21. Industrial Arts	0	0	0	5	106
LAW					
22. Law	1037	920	-11	41	970
LETTERS					
23. Letters	431	395	-08	97	602
LIBERAL/GENERAL STUDIES					
24. Liberal/General Studies	0	0	0	43	2748
LIBRARY AND ARCHIVAL SCIENCES					
25. Library and Archival Sciences	14	10	-29	10	142
LIFE SCIENCES					
26. Life Sciences	828	711	-14	126	915
MATHEMATICS					
27. Mathematics	347	318	-08	71	323
MILITARY SCIENCES	270	244	-10		
28. Military Sciences	232	215	-07	5	0
29. Military Technologies	0	0	0	0	0
MULTI/INTERDISCIPLINARY STUDIES					
30. Multi/Interdisciplinary Studies	0	0	0	25	66
PARKS AND RECREATION					
31. Parks and Recreation	0	0	0	20	119

F-1.3

Program Area	College-Bound Students Expressing First Interest: Number, 1978	Number, 1980	Percent Change, 78-80	Number of Programs, 1980-81	Supply From Postsecondary Institutions & Apprentice. 1978-79
PERSONAL AND SOCIAL DEVELOPMENT					
32. Basic Skills	0	0	0	2	0
33. Citizenship/Civic Activities	0	0	0	0	0
34. Health-Related Activities	0	0	0	0	0
35. Interpersonal Skills	0	0	0	0	0
36. Leisure and Recreational Activities	0	0	0	5	1
37. Personal Awareness	0	0	0	0	0
PHILOSOPHY, RELIGION, AND THEOLOGY	189	157	-17		
38. Philosophy and Religion	57	46	-19	46	152
39. Theology	06	84	-13	29	306
PHYSICAL SCIENCES					
40. Physical Sciences	404	427	06	130	975
41. Science Technologies				4	5
PSYCHOLOGY					
42. Psychology	927	961	04	67	609
PUBLIC AFFAIRS AND PROTECTIVE SERVICES					
43. Protective Services	229	201	-12	60	337
44. Public Affairs	328	295	-10	44	615
SOCIAL SCIENCES					
45. Social Sciences	809	677	-16	265	2119
TRADE AND INDUSTRIAL	619	643	04		
46. Construction Trades	33	48	45	70	772
47. Mechanics and Repairers	91	96	05	156	1640
48. Precision Production	251	266	06	140	1064
49. Transportation and Material Moving	184	183	-01	39	801
VISUAL AND PERFORMING ARTS					
50. Visual and Performing Arts	1758	1761	0	209	762

Sources: Admissions Testing Program of the College Board
Georgia College-Bound Seniors 1978 and 1980.

Labor Information Systems, Georgia Department of Labor, Employment Security Agency.
Annual Occupational Analysis of Supply & Demand, 1980 series.

CIP General Program Areas	Athens Area		Rome Area		Atlanta Area[a]		Columbus Area[b]	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
HEALTH								
17. Allied Health	220	272	36	377	114	1467	15	263
18. Health Sciences	41	275	29	0	70	636	15	22
HOME ECONOMICS								
19. Home Economics	18	104	7	7	16	70	0	0
20. Vocational Home Economics	15	30	8	60	35	25	7	0
INDUSTRIAL ARTS								
21. Industrial Arts	1	1	2	0	2	66	0	0
LAW								
22. Law	6	186	5	0	15	672	2	0
LETTERS								
23. Letters	17	125	13	68	29	207	4	54
LIBERAL/GENERAL STUDIES								
24. Liberal/General Studies	5	435	6	68	16	780	2	70
LIBRARY AND ARCHIVAL SCIENCES								
25. Library and Archival Sciences	0	17	0	0	8	124	0	0
LIFE SCIENCES								
26. Life Sciences	27	313	11	35	49	329	3	37
MATHEMATICS								
27. Mathematics	12	60	8	27	23	106	4	24
MILITARY SCIENCES								
28. Military Sciences	0	0	1	0	3	0	1	0
29. Military Technologies	0	0	0	0	0	0	0	0
MULTI/INTERDISCIPLINARY STUDIES								
30. Multi/Interdisciplinary Studies	0	0	6	32	8	23	2	2
PARKS AND RECREATION								
31. Parks and Recreation	1	52	3	16	3	16	0	14

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Table F.2a

Georgia Educational Supply and Demand: Sub-State Regions 1-4

CIP General Program Areas	Athens Area		Rome Area		Atlanta Area[a]		Columbus Area[b]	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
AGRICULTURE								
01. Agribusiness and Agricultural Production	5	148	2	0	3	1	0	0
02. Agricultural Sciences	29	327	5	26	3	0	1	0
03. Renewable Natural Resources	9	126	1	0	3	0	1	0
ARCHITECTURE ENVIRONMENTAL DESIGN								
04. Architecture and Environmental Design	3	0	0	0	11	234	2	22
BUSINESS								
06. Business and Management	28	1014	41	300	144	3004	21	441
07. Business and Office	26	332	46	286	88	614	29	984
08. Marketing and Distribution	3	187	6	12	43	314	4	218
COMMUNICATIONS								
09. Communications	12	327	5	9	17	256	1	76
10. Communications Technologies	1	0	0	0	2	0	0	0
COMPUTER AND INFORMATION SCIENCES								
11. Computer and Information Sciences	2	46	6	17	21	285	2	16
CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES								
12. Consumer, Personal, and Miscellaneous Services	10	111	15	73	47	274	3	50
EDUCATION								
13. Education	182	1341	109	715	205	1539	43	442
ENGINEERING								
14. Engineering	4	21	4	0	50	1455	2	0
15. Engineering and Engineering-Related Technologies	15	169	21	88	65	456	3	52
FOREIGN LANGUAGES								
16. Foreign Languages	17	38	8	17	34	82	2	2

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CIP General Program Areas	Athens Area		Rome Area		Atlanta Area[a]		Columbus Area[b]	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
PERSONAL AND SOCIAL DEVELOPMENT								
32. Basic Skills	1	0	2	0	4	0	2	0
33. Citizenship/Civic Activities	0	0	0	0	0	0	0	0
34. Health-Related Activities	0	0	0	0	0	0	0	0
35. Interpersonal Skills	0	0	0	0	0	0	0	0
36. Leisure and Recreational Activities	0	0	0	0	4	1	17	0
37. Personal Awareness	0	0	0	0	0	0	0	0
PHILOSOPHY, RELIGION, AND THEOLOGY								
38. Philosophy and Religion	5	21	8	30	24	64	0	0
39. Theology	9	74	2	10	12	222	1	0
PHYSICAL SCIENCES								
40. Physical Sciences	19	124	14	60	50	708	9	13
41. Science Technologies	0	0	1	0	2	0	0	0
PSYCHOLOGY								
42. Psychology	7	188	10	145	23	7	2	27
PUBLIC AFFAIRS AND PROTECTIVE SERVICES								
43. Protective Services	6	20	11	23	14	26	2	40
44. Public Affairs	9	157	5	26	15	300	2	4
SOCIAL SCIENCES								
45. Social Sciences	32	412	35	196	91	775	12	101
TRADE AND INDUSTRIAL								
46. Construction Trades	11	74	12	46	22	292	3	81
47. Mechanics and Repairers	29	137	31	223	42	477	6	159
48. Precision Production	13	141	21	224	39	283	8	106
49. Transportation and Material Moving	3	28	0	0	23	675	1	98
VISUAL AND PERFORMING ARTS								
50. Visual and Performing Arts	31	293	25	47	76	241	9	35
00. ALL OTHERS/MISCELLANEOUS	--	--	--	--	--	22	--	--

[a]This area is composed of two APDC's -- Atlanta and McIntosh Trail. The LIS supply data for the Atlanta APDC includes only data for the Atlanta Standard Metropolitan Statistical Area (SMSA).

[b]This area is composed of two APDC's -- Lower Chattahoochee and Middle Flint. The LIS supply data for the Lower Chattahoochee APDC includes data only for the Columbus SMSA.

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Table F.2b

Georgia Educational Supply and Demand: Sub-State Regions 5-8

CIP General Program Areas	Albany Area		Savannah Area		Augusta Area		Macon Area	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
AGRICULTURE								
01. Agribusiness and Agricultural Production	7	0	1	0	1	0	3	0
02. Agricultural Sciences	5	0	3	0	2	0	5	5
03. Renewable Natural Resources	7	0	7	4	0	0	2	0
ARCHITECTURE ENVIRONMENTAL DESIGN								
04. Architecture and Environmental Design	0	0	4	0	0	0	2	0
BUSINESS								
06. Business and Management	26	234	40	407	23	136	48	404
07. Business and Office	48	415	36	396	24	257	46	110
08. Marketing and Distribution	6	37	8	66	6	26	11	36
COMMUNICATIONS								
09. Communications	5	0	5	33	1	13	7	3
10. Communications Technologies	1	0	0	0	0	0	2	0
COMPUTER AND INFORMATION SCIENCES								
11. Computer and Information Sciences	8	8	6	14	4	0	5	4
CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES								
12. Consumer, Personal, and Miscellaneous Services	9	88	11	102	5	137	9	73
EDUCATION								
13. Education	50	228	101	498	18	120	72	459
ENGINEERING								
14. Engineering	2	0	4	82	1	0	2	7
15. Engineering and Engineering-Related Technologies	9	35	24	86	9	81	14	52
FOREIGN LANGUAGES								
16. Foreign Languages	6	6	7	7	3	0	7	13

CIP General Program Areas	Albany Area		Savannah Area		Augusta Area		Macon Area	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
HEALTH								
17. Allied Health	39	299	26	270	32	351	20	244
18. Health Sciences	27	86	18	39	9	583	19	3
HOME ECONOMICS								
19. Home Economics	7	0	10	44	1	0	5	47
20. Vocational Home Economics	8	12	7	10	5	0	14	3
INDUSTRIAL ARTS								
21. Industrial Arts	0	0	1	5	0	11	1	23
LAW								
22. Law	3	0	5	31	0	0	4	81
LETTERS								
23. Letters	9	9	8	59	0	2	10	57
LIBERAL/GENERAL STUDIES								
24. Liberal/General Studies	6	394	4	155	0	141	7	705
LIBRARY AND ARCHIVAL SCIENCES								
25. Library and Archival Sciences	0	0	0	0	0	0	2	1
LIFE SCIENCES								
26. Life Sciences	7	5	6	43	16	40	7	112
MATHEMATICS								
27. Mathematics	9	20	5	43	3	11	7	32
MILITARY SCIENCES								
28. Military Sciences	0	0	0	0	0	0	0	0
29. Military Technologies	0	0	0	0	0	0	0	0
MULTI/INTERDISCIPLINARY STUDIES								
30. Multi/Interdisciplinary Studies	1	9	2	0	0	0	1	14
PARKS AND RECREATION								
31. Parks and Recreation	1	0	0	7	0	0	1	14

CIP General Program Areas	Albany Area		Savannah Area		Augusta Area		Macon Area	
	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79	No. of Programs 1980-81	Supply 1978-79
PERSONAL AND SOCIAL DEVELOPMENT								
32. Basic Skills	0	0	3	0	[illegible]	0	0	0
33. Citizenship/Civic Activities	0	0	0	0	0	0	0	0
34. Health-Related Activities	0	0	0	0	0	0	0	0
35. Interpersonal Skills	0	0	0	0	0	0	0	0
36. Leisure and Recreational Activities	0	0	0	0	0	0	0	0
37. Personal Awareness	0	0	0	0	0	0	0	0
PHILOSOPHY, RELIGION, AND THEOLOGY								
38. Philosophy and Religion	2	0	1	0	1	0	6	37
39. Theology	0	0	0	0	0	0	1	0
PHYSICAL SCIENCES								
40. Physical Sciences	14	13	11	28	6	8	11	21
41. Science Technologies	0	0	1	5	0	0	0	0
PSYCHOLOGY								
42. Psychology	7	46	5	73	3	50	8	73
PUBLIC AFFAIRS AND PROTECTIVE SERVICES								
43. Protective Services	10	10	4	18	2	15	13	185
44. Public Affairs	4	0	4	86	0	0	5	42
SOCIAL SCIENCES								
45. Social Sciences	27	103	28	260	9	63	25	209
TRADE AND INDUSTRIAL								
46. Construction Trades	11	91	5	61	3	33	5	94
47. Mechanics and Repairers	20	201	12	267	5	71	9	105
48. Precision Production	16	122	10	106	8	49	27	33
49. Transportation and Material Moving	1	0	10	0	1	0	2	0
VISUAL AND PERFORMING ARTS								
50. Visual and Performing Arts	17	47	24	37	5	11	22	51
00. ALL OTHERS/MISCELLANEOUS	--	--	--	--	--	--	--	--

Georgia Occupational Supply and Demand Comparisons *

	Statewide	Sub-State Regions							
		Athens Area	Rome Area	Atlanta Area	Columbus Area	Albany Area	Savannah Area	Augusta Area	Macon Area
AGRICULTURE									
01. Agribusiness and Agricultural Production	DD	SS	DDD	DDD	DDD	DDD	DDD	DDD	DDD
02. Agricultural Sciences	SSS	SS	SSS	DDD	Ø	Ø	Ø	Ø	SSS
03. Renewable Natural Resources	SS	SS	Ø	DDD	DDD	Ø	SS	DDD	DDD
ARCHITECTURE ENVIRONMENTAL DESIGN									
04. Architecture and Environmental Design	SS	Ø	Ø	SS	SSS	Ø	DDD	DDD	DDD
BUSINESS									
06. Business and Management	SS	SS	S	S	SS	S	SS	-	SS
07. Business and Office	DD	DD	DD	DDD	D	DD	DD	DD	DDD
08. Marketing and Distribution	DDD	DD	DD	DDD	DD	DDD	DDD	DDD	DDD
COMMUNICATIONS									
09. Communications	-	SS	Ø	D	SS	DDD	D	DD	DDD
10. Communications Technologies	DDD	DDD	S	DDD	DDD	DDD	DDD	DDD	DDD
COMPUTER AND INFORMATION SCIENCES									
11. Computer and Information Sciences	S	SS	DD	S	SS	D	-	DDD	DD
CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES									
12. Consumer, Personal, and Miscellaneous Services	DD	D	D	DDD	DD	DD	DD	DD	DD
EDUCATION									
13. Education	SSS	SS	S	-	SS	D	S	D	S
ENGINEERING									
14. Engineering	SS	D	DDD	SS	DDD	DDD	S	DDD	D
15. Engineering and Engineering-Related Technologies	-	SS	D	-	S	D	S	S	D
FOREIGN LANGUAGES									
16. Foreign Languages	SSS	SSS	SSS	SSS	SSS	SSS	SSS	Ø	SSS

*Key: Entries explained on last page of Table 18

Table 18-2

	Statewide	Sub-State Regions							
		Athens Area	Rome Area	Atlanta Area	Columbus Area	Albany Area	Savannah Area	Augusta Area	Macon Area
HEALTH									
17. Allied Health	-	S	-	-	S	S	D	S	D
18. Health Sciences	-	SS	DDD	-	DD	D	DD	SS	DDD
HOME ECONOMICS									
19. Home Economics	SS	SS	S	SS	DDD	DDD	SS	DDD	SS
20. Vocational Home Economics	DDD	DDD	DDD	DDD	DDD	DDD	DDD	DDD	DDD
INDUSTRIAL ARTS									
21. Industrial Arts	SSS	SSS	Ø	SSS	Ø	Ø	SSS	SSS	SSS
LAW									
22. Law	SS	SS	DDD	SS	DDD	DDD	D	DDD	SS
LETTERS									
23. Letters	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS
LIBERAL/GENERAL STUDIES									
24. Liberal/General Studies	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS
LIBRARY AND ARCHIVAL SCIENCES									
25. Library and Archival Sciences	DD	DD	DDD	-	DDD	DDD	DDD	DDD	DDD
LIFE SCIENCES									
26. Life Sciences	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS
MATHEMATICS									
27. Mathematics	SS	SSS	SSS	SS	SSS	SSS	SSS	SS	SSS
MILITARY SCIENCES									
28. Military Sciences	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
29. Military Technologies	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
MULTI/INTERDISCIPLINARY STUDIES									
30. Multi/Interdisciplimary Studies	SSS	Ø	SSS	SSS	SSS	SSS	Ø	Ø	Ø
PARKS AND RECREATION									
31. Parks and Recreation	SS	SSS	SS	-	SS	DDD	SS	DDD	SS

Table 18-3

	Statewide	Sub-State Regions							
		Athens Area	Rome Area	Atlanta Area	Columbus Area	Albany Area	Savannah Area	Augusta Area	Macon Area
PERSONAL AND SOCIAL DEVELOPMENT									
32. Basic Skills	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
33. Citizenship/Civic Activities	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
34. Health-Related Activities	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
35. Interpersonal Skills	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
36. Leisure and Recreational Activities	DD	DDD	DDD	DDD	DDD	DDD	DDD	DDD	DDD
37. Personal Awareness	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PHILOSOPHY, RELIGION, AND THEOLOGY									
38. Philosophy and Religion	SSS	SSS	SSS	SS	Ø	Ø	Ø	Ø	SSS
39. Theology	DD	S	DD	D	DD	DDD	DDD	DDD	DDD
PHYSICAL SCIENCES									
40. Physical Sciences	SSS	SSS	SSS	SSS	SS	SS	SS	SS	SS
41. Science Technologies	DD	DDD	DDD	DDD	DDD	DDD	D	DDD	DDD
PSYCHOLOGY									
42. Psychology	SSS	SSS	SSS	-	SSS	SSS	SSS	SSS	SSS
PUBLIC AFFAIRS AND PROTECTIVE SERVICES									
43. Protective Services	DD	DD	DD	DDD	DD	DDD	DDD	DD	-
44. Public Affairs	-	SS	-	S	DD	DDD	SS	DDD	D
SOCIAL SCIENCES									
45. Social Sciences	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS	SSS
TRADE AND INDUSTRIAL									
46. Construction Trades	DDD	DD	DDD	DDD	DD	DD	DDD	DDD	DD
47. Mechanics and Repairers	DD	D	DD	DD	D	D	D	DD	DD
48. Precision Production	DD	DD	DD	DDD	DD	DD	DD	DD	DDD
49. Transportation and Material Moving	DD	DDD	DDD	DD	DD	DDD	DDD	DDD	DDD
VISUAL AND PERFORMING ARTS									
50. Visual and Performing Arts	SS	SSS	SS	SS	SS	SS	SS	S	SS

Key:

Demand Over Supply		Supply Over Demand	
D	-- 20%+	S	-- 20%+
DD	-- 100%+	SS	-- 100%+
DDD	-- 1000%+	SSS	-- 1000%+

Ø -- No Reported Supply or Demand

= -- Substantially Equal